

Report

of the Minister

of LANDS AND FORESTS

OF THE PROVINCE OF ONTARIO

for the fiscal year ending MARCH 31, 1951

Reprints 1951



TO HIS HONOUR,

*The Lieutenant-Governor of the Province
of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present
to your Honour, the Annual Report of the Department of Lands and Forests for the fiscal year April 1, 1950 to March 31, 1951.

H. R. SCOTT,
Minister.

Report *of the Minister*

OF

LANDS AND FORESTS

OF THE PROVINCE OF ONTARIO



ONTARIO

for the fiscal year ending
MARCH 31, 1951



PRINTED BY ORDER OF

**THE LEGISLATIVE ASSEMBLY
OF ONTARIO**

SESSIONAL PAPER No. 15, 1952

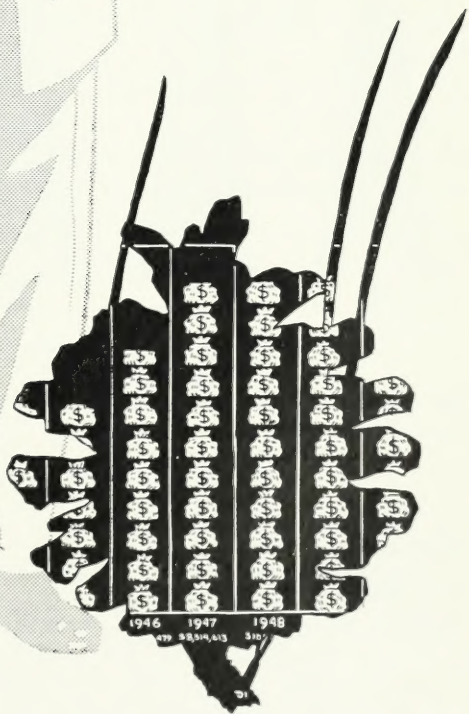
TORONTO, 1952

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Division of Accounts



DIVISION OF ACCOUNTS

FINANCIAL REPORT

1. CASH RECEIPTS AND DISBURSEMENTS

Statement for the year ending March 31, 1951, is set out on Schedule A. The following summarizes the result of operations for the year.

| | |
|---|-----------------|
| Total—Cash Receipts | \$16,317,503.63 |
| —Cash Disbursements | 13,167,618.35 |
| Excess of Receipts over Disbursements | \$3,149,885.28 |

2. COMPARISON OF RESULTS WITH THOSE OF PRIOR YEARS

(a) Receipts

Cash receipts for the year under review compare with those of the previous four years as follows:

| DIVISION | YEARS ENDING MARCH 31ST | | | | |
|---------------------------------------|-------------------------|------------|------------|------------|------------|
| | 1947 | 1948 | 1949 | 1950 | 1951 |
| | \$ | \$ | \$ | \$ | \$ |
| Accounts | | | | | |
| Water Power Rentals | 680,568 | 694,859 | 759,570 | 811,664 | 827,937 |
| Provincial Land Tax | 204,475 | 185,470 | 217,521 | 242,292 | 322,661 |
| Long Lac Diversion | 20,400 | 19,950 | 19,500 | 19,050 | 18,600 |
| Miscellaneous | 46,071 | 24,825 | 26,225 | 21,778 | 22,692 |
| Air Service | 15,258 | 8,376 | 6,373 | 10,734 | 13,407 |
| Fish and Wildlife | 2,248,201 | 2,420,661 | 2,813,876 | 2,774,518 | 3,065,752 |
| Forest Protection | 46,402 | 53,230 | 48,330 | 70,707 | 38,975 |
| Land and Recreational Areas | 430,644 | 393,938 | 409,465 | 400,223 | 381,590 |
| Reforestation | 25,373 | 25,562 | 1,685 | 153 | 60 |
| Surveys | 1,652 | 501 | 402 | 534 | 516 |
| Timber Management | 6,944,104 | 6,855,031 | 7,332,290 | 6,789,235 | 6,461,103 |
| Mississagi Salvage Project | | | | 459,961 | 5,162,994 |
| Operation and Personnel (Sylva) | | | | 1,406 | 1,217 |
| | 10,663,148 | 10,682,403 | 11,635,237 | 11,602,255 | 16,317,504 |

(b) The following is a comparison of total disbursements for the five years ending March 31, 1951.

| | YEARS ENDING MARCH 31ST | | | | |
|--|-------------------------|-----------|------------|------------|------------|
| | 1947 | 1948 | 1949 | 1950 | 1951 |
| | \$ | \$ | \$ | \$ | \$ |
| DEPARTMENT OF LANDS AND FORESTS | | | | | |
| Total Disbursements | | | | | |
| Chargeable to Appropriation as voted | 7,159,780 | 7,598,612 | 9,693,336 | 9,913,521 | 9,840,796 |
| Mississagi Salvage Project | | | 1,489,845 | 4,623,339 | 3,326,822 |
| Additional Disbursements | | | | | |
| Uncontrollable items Special Warrant | | | 217,621 | | |
| | 7,159,780 | 7,598,612 | 11,400,802 | 14,536,860 | 13,167,618 |

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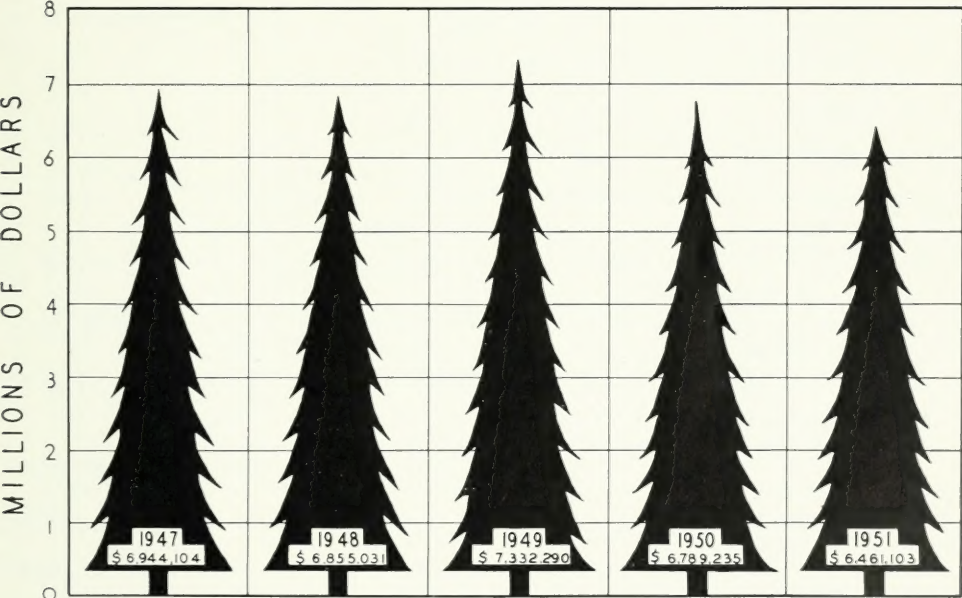
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FIGURE No. 1

TREND OF DEPARTMENTAL REVENUE
TIMBER RETURNS-CROWN DUES-GROUND RENT & FIRE TAX CHARGES
FOR THE FIVE YEARS ENDING 31 MARCH 1951



STATEMENT OF RECEIPTS AND DISBURSEMENTS
FOR YEAR ENDING 31st MARCH, 1951
RECEIPTS

| | |
|--|----------------|
| Schedule A | |
| DIVISION OF ACCOUNTS | |
| Water Power | \$ 827,937.46 |
| Provincial Land Tax | 322,660.63 |
| Long Lac Diversion | 18,600.00 |
| Casual Fees, Surveys, Office Fees, etc. | 19,092.24 |
| Security Deposits | 3,600.00 |
| | ----- |
| | \$1,191,890.33 |
| Carried Forward | \$1,191,890.33 |

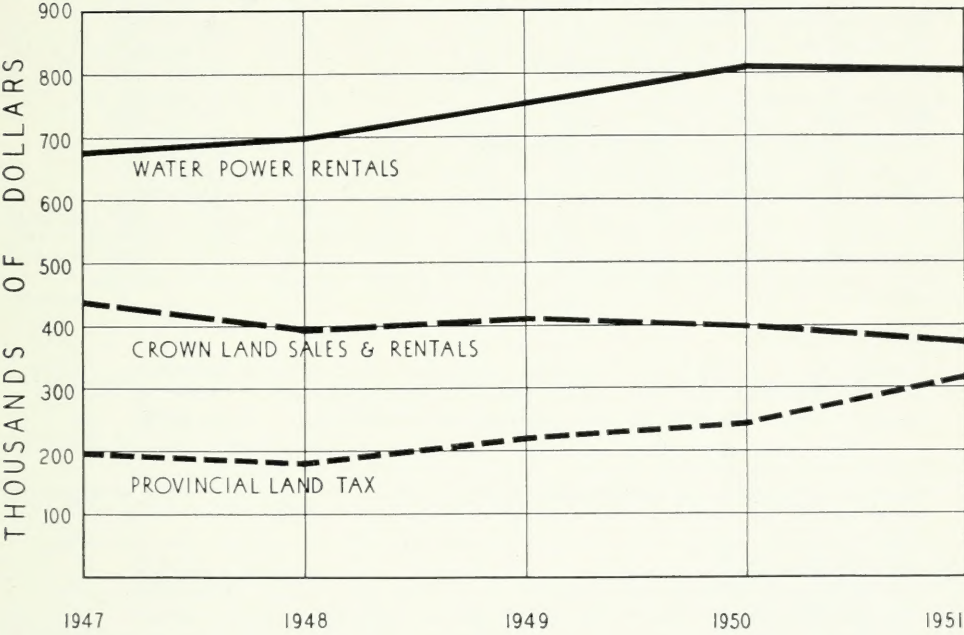
| | |
|--|------------------------|
| Brought Forward | \$1,191,890.33 |
| DIVISION OF AIR SERVICE | |
| Miscellaneous | 13,407.45 |
| DIVISION OF FISH AND WILDLIFE | |
| Licences, Royalty and Sundry | 3,065,751.53 |
| DIVISION OF FOREST PROTECTION | |
| Miscellaneous | 38,975.29 |
| DIVISION OF LAND AND RECREATIONAL AREAS | |
| Land Sales | |
| Agricultural | \$ 11,156.01 |
| Summer Resort | 19,388.96 |
| Townsites | 4,570.55 |
| University | 69.75 |
| Miscellaneous | 24,100.77 |
| Unallocated | 129,158.28 |
| | <u>\$ 188,444.32</u> |
| Land Rentals (Other than Parks) | |
| Leases and Licences of Occupation | 120,468.42 |
| Temagami Islands | 1,117.01 |
| | <u>121,585.43</u> |
| Park Revenue | |
| Algonquin | |
| Rentals | \$ 15,088.80 |
| Miscellaneous | 13,928.85 |
| | <u>\$ 29,017.65</u> |
| Rondeau | |
| Rentals | \$ 15,656.96 |
| Miscellaneous | 2,574.10 |
| | <u>\$ 18,231.06</u> |
| Quetico | |
| Rentals | \$ 84.76 |
| Miscellaneous | 1,245.50 |
| | <u>\$ 1,330.26</u> |
| Ippeewash Beach | |
| Rentals | \$ 355.00 |
| Miscellaneous | 3,609.50 |
| | <u>\$ 3,964.50</u> |
| | <u>\$ 52,543.47</u> |
| Tourist Outfitters Licences | 16,339.87 |
| Other Lands Division Receipts | 2,676.50 |
| | <u>\$ 381,589.59</u> |
| DIVISION OF OPERATION AND PERSONNEL | |
| Sylvia Subscriptions | \$ 1,216.55 |
| DIVISION OF REFORESTATION | |
| Miscellaneous | \$ 60.40 |
| DIVISION OF SURVEYS | |
| Aerial Surveys—Net Receipts | \$ 515.66 |
| DIVISION OF TIMBER MANAGEMENT (See Schedule "B") | |
| Crown Dues | \$5,269,278.71 |
| Ground Rent | 116,641.52 |
| Fire Tax | 1,007,661.97 |
| Scalers' Wages | 5,481.46 |
| Interest | 4,933.28 |
| Mill Licences and Sundry | 3,363.71 |
| | <u>\$6,407,360.65</u> |
| Cash Deposit | 53,742.59 |
| | <u>\$ 6,461,103.24</u> |
| Carried Forward | \$11,154,510.04 |

| | |
|---|------------------------|
| Brought Forward | \$11,154,510.04 |
| MISSISSAGI SALVAGE PROJECT (see contra) | |
| Proceeds of sale of fire-damaged timber | \$ 5,162,993.59 |
| TOTAL RECEIPTS | <u>\$16,317,503.63</u> |

FIGURE NO. 2

TREND OF DEPARTMENTAL REVENUE
WATER POWER RENTALS - CROWN LAND SALES & RENTALS
PROVINCIAL LAND TAX

FOR THE FIVE YEARS ENDING 31 MARCH 1951



DISBURSEMENTS

| | |
|--|-----------------------|
| MAIN OFFICE | |
| Minister's Salary—Statutory | \$ 8,000.00 |
| Salaries—Permanent and Temporary | 801,161.26 |
| Travelling Expenses | 49,243.63 |
| Maintenance and Operating | 20,276.17 |
| Damage and Other Claims, Sundry Contingencies, etc. | 1,400.42 |
| Compensation for Injured Workmen | 44,823.85 |
| Cost of Living Bonus—Entire Department | 608,775.94 |
| Unemployment Insurance Stamps | 1,562.45 |
| Annuities and Bonuses to Indians | 24,432.00 |
| | <u>\$1,559,675.72</u> |
| Carried Forward | \$1,559,675.72 |

| | |
|---|-------------------------------|
| Brought Forward | \$1,559,675.72 |
| FIELD SERVICES | |
| BASIC ORGANIZATION—including District Offices | |
| Salaries | \$4,100,481.90 |
| Travelling Expenses | 513,715.92 |
| Maintenance and Operating | 2,180,060.31 |
| | <u>\$6,794,258.13</u> |
| EXTRA FIRE FIGHTING | |
| Salaries, etc., Maintenance and Operating | \$ 301,058.56 |
| FIRE PREVENTION, CONSERVATION OF FISH AND WILDLIFE AND REFORESTATION | |
| Salaries, etc., Maintenance and Operating | \$ 97,954.75 |
| GRANTS | |
| Association of Ontario Land Surveyors | \$ 200.00 |
| Canadian Forestry Association | 4,000.00 |
| Municipalities in lieu of School Fees | 1,363.48 |
| Jack Miner Migratory Bird Foundation Inc. | 1,500.00 |
| Thomas R. Jones | 300.00 |
| E. L. Marsh | 100.00 |
| Niagara District Pheasant Breeders' Association | 500.00 |
| Ontario Fur Breeders' Association Inc. | 2,500.00 |
| Ontario Federation of Commercial Fishermen | 1,500.00 |
| | <u>\$ 11,963.48</u> |
| WOLF BOUNTY | \$ 46,369.00 |
| BEAR BOUNTY | \$ 4,733.00 |
| DIVISION OF AIR SERVICE | |
| Salaries | \$ 296,748.37 |
| Travelling Expenses | 10,840.79 |
| Maintenance and Operating—including purchase of Aircraft | 388,914.14 |
| | <u>\$ 696,503.30</u> |
| DIVISION OF RESEARCH | |
| Salaries, etc., maintenance and operating | \$ 218,595.95 |
| DIVISION OF SURVEYS | |
| Aerial Surveys | \$ 17,734.30 |
| Ground Surveys—Miscellaneous Expenses | 91,700.90 |
| Lac Seul Storage Dam—Control and Maintenance | 249.08 |
| | <u>\$ 109,684.28</u> |
| MISSISSAGI SALVAGE PROJECT (see contra) | |
| Salvaging fire-damaged timber—salaries, travelling, maintenance expenses, advances to contractors, equipment purchases | \$ 3,326,822.18 |
| TOTAL DISBURSEMENTS | \$13,167,618.35 |
| Excess of Receipts over Disbursements | 3,149,885.28 |
| | <u><u>\$16,317,503.63</u></u> |



FIGURE No. 3

TREND OF TOTAL ANNUAL RECEIPTS FOR THE TEN YEARS ENDING 31 MARCH 1951

INCLUDES FORMER GAME AND
FISHERIES DEPARTMENT

DOES NOT INCLUDE MISSISSAGI
SALVAGE PROJECT

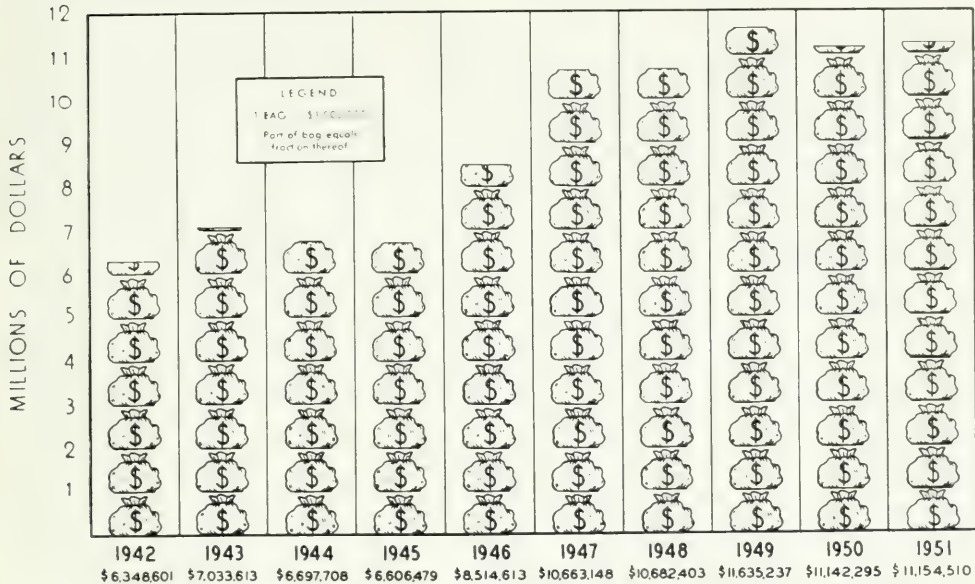


FIGURE No. 4

TREND OF TOTAL ANNUAL DISBURSEMENTS FOR THE TEN YEARS ENDING 31 MARCH 1951

INCLUDES FORMER GAME AND
FISHERIES DEPARTMENT

DOES NOT INCLUDE MISSISSAGI
SALVAGE PROJECT

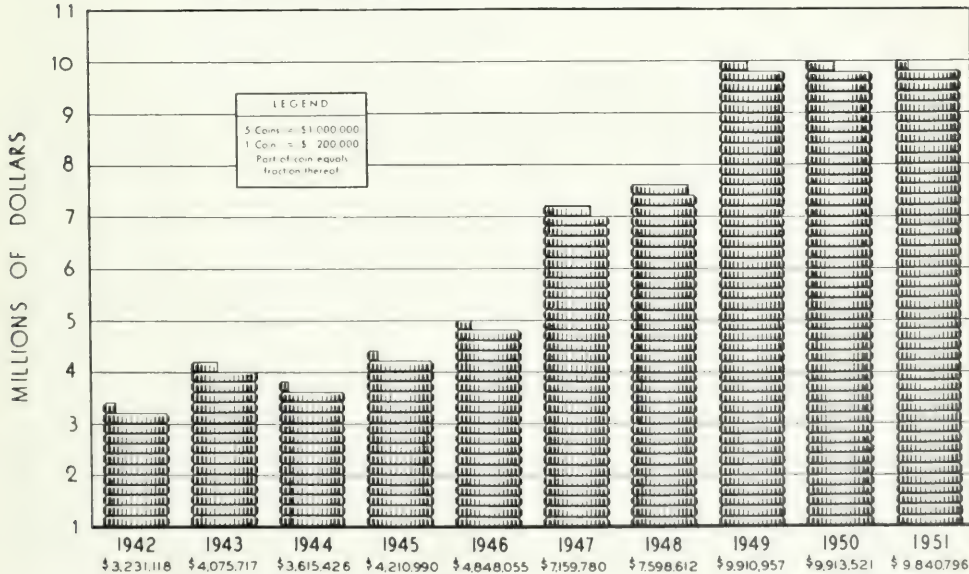


TABLE No. 1
DIVISION OF TIMBER MANAGEMENT
ANALYSIS OF CASH RECEIPTS BY DISTRICTS
FOR YEAR ENDING MARCH 31ST, 1951

Schedule B

Schedule B

| DISTRICT | CROWN DUES | GROUND RENT | FIRE TAX | SCALERS WAGES | INTEREST | MILL LICENCES AND SUNDRY | TOTAL TIMBER REVENUE | CASH DEPOSITS RECEIVED AND REFUNDED | TOTAL TIMBER REVENUE AND CASH DEPOSITS | PERCENTAGE OF TOTAL TIMBER REVENUE AND CASH DEPOSITS |
|---------------------------------------|---------------|----------------|--------------|------------------|----------|-----------------------------------|----------------------------|---|--|---|
| Chapleau | 71,521.79 | 5,030.00 | 12,618.40 | 15.00 | 562.73 | 57.00 | 89,804.92 | — | 89,804.92 | 1.30 |
| Cochrane | 762,503.93 | 10,990.00 | 98,502.20 | 305.20 | 148.25 | 160.00 | 872,609.58 | 11,179.52 | 883,789.10 | 13.68 |
| Fort Frances | 190,335.19 | 3,460.00 | 9,004.79 | 63.02 | 25.50 | 115.01 | 203,003.51 | 1,550.00 | 204,553.51 | 3.17 |
| Galt | — | — | — | — | — | 122.00 | 122.00 | — | 122.00 | — |
| Geraldton | 439,322.99 | 3,637.00 | 124,390.40 | 1,960.69 | 4.93 | 105.00 | 569,421.01 | — | 569,421.01 | 8.81 |
| Gogama | 222,382.55 | 865.00 | 10,793.44 | 66.25 | 330.88 | 32.00 | 234,470.12 | 1,600.00 Dr. | 232,870.12 | 3.61 |
| Kapuskasing | 898,699.19 | 13,556.67 | 134,713.60 | 1,435.07 | 693.91 | 220.01 | 1,049,318.48 | 3,550.20 | 1,052,868.68 | 16.30 |
| Kemptville | — | — | — | — | — | 98.00 | 98.00 | — | 98.00 | — |
| Kenora | 134,579.65 | 4,035.00 | 75,891.20 | 132.75 | 37.22 | 164.00 | 214,839.82 | 4,500.00 | 219,339.82 | 3.39 |
| Lake Simcoe | 3,323.83 | — | 12.80 | 3.00 | — | 7.03 | 3,346.66 | — | 3,346.66 | .05 |
| Lindsay | 54,675.42 | 1,605.00 | 4,128.00 | 384.71 | 166.60 | 77.25 | 61,037.04 | 10,892.84 | 71,929.88 | 1.12 |
| North Bay | 606,859.40 | 10,135.00 | 51,757.32 | 46.50 | 518.08 | 178.12 | 669,494.62 | 6,303.94 | 675,798.56 | 10.46 |
| Parry Sound | 144,464.78 | 7,365.00 | 17,489.60 | 47.57 | 27.94 | 212.70 | 169,607.59 | 1,000.00 | 170,607.59 | 2.64 |
| Pembroke | 141,883.68 | 14,762.50 | 50,130.28 | 16.00 | 245.61 | 181.30 | 207,219.37 | 2,294.41 | 209,513.78 | 3.24 |
| Port Arthur | 505,949.65 | 13,263.75 | 169,115.20 | 40.40 | 110.58 | 284.00 | 688,763.58 | 2,495.73 Dr. | 686,267.85 | 10.62 |
| Saint Williams | 15,109.80 | — | — | — | — | — | 15,109.80 | — | 15,109.80 | .23 |
| Sault Ste. Marie | 286,683.34 | 14,260.00 | 154,728.94 | 72.00 | 253.17 | 81.03 | 456,078.48 | 3,365.00 Dr. | 452,713.48 | 7.01 |
| Sioux Lookout | 334,490.75 | 3,045.00 | 9,152.00 | 100.00 | 204.84 | 48.00 | 347,130.59 | 15,599.25 | 362,729.84 | 5.61 |
| Sudbury | 118,937.30 | 3,634.00 | 50,771.00 | 523.08 | 199.49 | 148.04 | 174,212.91 | 3,844.98 Dr. | 170,367.93 | 2.64 |
| Swastika | 214,563.79 | 3,202.60 | 23,968.00 | 112.25 | 678.12 | 148.15 | 242,672.91 | 4,923.14 | 247,596.05 | 3.83 |
| Tweed | 111,296.56 | 3,780.00 | 10,449.80 | 157.97 | 635.05 | 70.07 | 126,389.45 | 2,255.00 | 128,644.45 | 1.99 |
| Kirkwood Forest | 714.62 | 10.00 | 25.60 | — | — | — | 750.22 | — | 750.22 | .01 |
| White River | 807.70 | — | 12.80 | — | — | 7.00 | 827.50 | — | 827.50 | .01 |
| Unallocated | 10,172.80 | 5.00 | 6.40 | — | .29 | 848.00 | 11,032.49 | 1,000.00 | 12,032.49 | .19 |
| | 5,269,278.71 | 116,641.52 | 1,007,661.97 | 5,481.46 | 4,933.28 | 3,363.71 | 6,407,360.65 | 53,742.59 | 6,461,103.24 | 100% |
| Percentage of Total Timber Revenue | 82.23% | 1.83% | 15.72% | .09% | .08% | .05% | 100% | | | |



A section of the Head Office Division of Accounts.

Schedule C

FOREST RESEARCH DIVISION—PROJECTS
STATEMENT OF EXPENDITURE
(INCLUDING GENERAL OFFICE)
FOR YEAR ENDING MARCH 31ST, 1951

| | |
|--|--------------|
| PROJECT | |
| Experimental Station | \$ 38,319.64 |
| Statistician—Salary and Expenses | 4,014.22 |
| Soil Surveys | 26,099.21 |
| Regeneration Surveys | 40,008.59 |
| Wildlife | 26,515.42 |
| Pump and Hose Test | 13,379.67 |
| Forest Genetics | 8,748.48 |
| Biology | 31,902.79 |
| South Bay Experiment No. 1 | 19,165.07 |
| South Bay Experiment No. 2 | 25,229.63 |
| Seed Production Experiment | 8,665.91 |
| Pathology | 6,387.94 |
| Total Direct Expenditures on Projects | \$248,436.57 |
| Deduct—Sale of Fish (South Bay Experiment No. 2) | 5,620.92 |
| Net Direct Expenditure on Projects | \$242,815.65 |
| Main Office Administration | 22,881.38 |
| TOTAL EXPENDITURE BY FOREST RESEARCH DIVISION | \$265,697.03 |

DISTRIBUTION OF EXPENDITURE

| | |
|---|---------------------|
| Forest Research—Field Service | 218,595.95 |
| Forest Research—Main Office | 21,578.66 |
| Basic Organization—Equipment and Improvements | 25,522.42 |
| | <u>\$265,697.03</u> |

Schedule D

DIVISION OF FISH AND WILDLIFE
ANALYSIS OF CASH RECEIPTS
FOR YEAR ENDING MARCH 31ST, 1951

GAME

Licences

| | |
|----------------------------|--------------|
| Trapping | \$ 64,078.47 |
| Non-Resident Hunting | 401,490.40 |
| Deer | 264,880.50 |
| Moose | Nil |
| Gun | 183,669.56 |
| Dog | 17,120.14 |
| Fur Dealers | 27,305.03 |
| Fur Farmers | 4,711.00 |
| Tanners | 80.00 |
| Cold Storage | 510.00 |

\$ 963,845.10

Royalty Game

257,619.10

\$1,221,464.20

FISHERIES

Licences

| | |
|----------------------------|---------------|
| Fishing (Commercial) | \$ 112,423.35 |
| Angling | 1,637,775.06 |

\$ 1,750,198.41

Royalty on Commercial Fish

9,264.84

\$1,759,463.25

GENERAL

Licences

| | |
|----------------------------------|--------------|
| Guides | \$ 13,560.00 |
| Fines | 47,622.41 |
| Costs Collected | 1,507.25 |
| Sales—Confiscated Articles | 21,534.28 |
| Miscellaneous | 600.14 |

\$ 84,824.08\$3,065,751.53

Division of Air Service



DIVISION OF AIR SERVICE

GENERAL

The fiscal period 1950-51 presented one of the lowest fire hazards in many years. Rainfall occurred at most opportune times and in sufficient quantities to hold the hazard to a point that might be considered as below normal. In addition to this we were operating more aircraft of the Beaver type, and the fact that these aircraft can operate from smaller bodies of water than any type which we have ever used in the past, made it possible to reach and extinguish incipient fires that might easily have reached the out-of-control stage under other circumstances. Again I feel that I must give credit to this particular aeroplane as an instrument through which we were able to hold our fire losses below the average occurring in preceding years.

The Service also undertook additional activities in the field of research and experimentation. We co-operated during the period, as well as in the preceding year, with the National Research Council in attempting to develop a type of ski that, it was hoped, would meet average Canadian conditions. Considerable flying was done out of Sudbury, Gogama, and Chapleau to test the relative qualities of these skis in comparison with the various types which we had been using, and a great deal of valuable information was gathered. In addition, we carried out further experiments with a radar landing device, designed primarily to assist in glassy water landings, and we now have quite a wealth of data on this subject. Considerable interest has been shown in this particular device by the Royal Canadian Air Force and Trans-Canada Air Lines. These experiments will be continued until we feel that the device has been perfected. We also undertook experiments to determine the possibility of water bombing from the air. The initial experiments were carried out with paper bags that resemble, in many respects, that used for bagging cement, and although this particular device has some disadvantages, I feel that it was proven, quite conclusively, that this method of attacking small fires does hold possibilities. In the period covered, we actually did hold fires from spreading until the ground crews were able to reach them.

The requirements of all Divisions of this Department were met and we also did considerable flying for the Department of Mines, Department of Provincial Police, Departments of Health, Highways, and so forth as well as according a measure of co-operation to the Federal Department of Indian Affairs, with whom we work very closely in the control and establishment of registered trap lines.

Emergency flights were carried out as required and it is gratifying to know that a very humanitarian service was rendered on many occasions.

Normal amiable relations were maintained with the Department of Transport and with the Air Transport Board.

During the period covered the Department subscribed to membership in the Air Industries and Transport Association of Canada. This Association was formed for the purpose of co-ordinating the activities of all those dealing in aircraft, and includes the engine manufacturer, the airframe manufacturer, manufacturers of all accessories and the operators themselves. The Body also deals with the Department of Transport and the Air Transport Board in recommending suitable legislation to control the activities of the Industry.

NEW CONSTRUCTION AND EXPANSION

During the period no new construction was undertaken, although we are in need of several new additions and hope that they may be completed at an early date. These involve two cottages at Kenora, two cottages and a workshop at Lauzon Lake, two cottages at Sioux Lookout, and two cottages and a workshop north of White River at Tutney Lake. It has been difficult for the Department of Public Works to get satisfactory prices on these projects and we think this is the main reason for their construction having been deferred. There are still a few odds and ends to be completed in the new Hangar building itself, but a contract has been let which I believe will accomplish this end. No new bases were opened during the period covered in this report.

EQUIPMENT

During the period six new Beaver aircraft were purchased from the De Havilland Company of Canada. Some of these were put into service immediately, while others acted as spares and were utilized as it became necessary to do so. It was also decided to reduce our Norseman fleet, and to this end three Mark VI's and three Mark V's were sold. To replace these an order for six new Beavers was placed with the De Havilland Company for delivery in the spring of 1951.

WINTER OPERATIONS

Winter operations as conducted during the previous winter were continued in the winter of 1950-51. Beaver aircraft were operated from Toronto, Algonquin Park, Sudbury, Sault Ste. Marie, Gogama, Chapleau, Geraldton, Port Arthur, Eva Lake; and two Norseman were again operated from Sioux Lookout. A special deer census was undertaken in the vicinity of Kenora and Fort Frances to provide information on which legislation for this area can be formulated. Other winter flying included supervision and enforcement of Fish and Wildlife activities, supervision of timber and logging operations, transportation of scalers, selection of tower sites, transportation of Departmental officials, and such emergency flights as were required.

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Beaver Aircraft arriving to pick up forest protection men.

MAINTENANCE OF SERVICE BUILDINGS

Normal maintenance of all Service property was carried out as usual. Painting and normal repairs were undertaken where necessary in order to keep our property up to proper standards.

ACCIDENTS

I regret to report the worst accident in the history of the Service. On August 30, 1950, we lost Norseman CF-OBH about twelve miles south of Temagami, and in the accident five people were burned to death. We also lost one Beaver aircraft about six miles from Temagami, but fortunately no one was hurt. We believe this latter accident to have been caused by a fuel pump failure.

TABLE NO. 1
ALLOCATION OF AIRCRAFT 1950-51

| BASE | REGISTRATION | TYPE | BASE | REGISTRATION | TYPE |
|----------------|--------------|----------|------------------|--------------|----------|
| Algonquin Park | CF-OBZ | Beaver | Parry Sound | CF-OCE | Beaver |
| Biscotasing | CF-OBH | Norseman | Pickle Lake | CF-OBK | Norseman |
| Caribou Lake | CF-OBK | Norseman | Port Arthur | CF-OBY | Beaver |
| Chapleau | CF-OCK | Beaver | Red Lake | CF-OBK | Norseman |
| Eva Lake | CF-OBK | Beaver | Remi Lake | CF-OCK | Beaver |
| Fort Frances | CF-OBK | Norseman | Sault Ste. Marie | CF-OCK | Beaver |
| Geraldton | CF-OCK | Beaver | | CF-OBW | Beaver |
| Gogama | CF-OCK | Beaver | | CF-OBK | Norseman |
| Ignace | CF-OCK | Beaver | Sioux Lookout | CF-OBK | Norseman |
| Kenora | CF-OBK | Norseman | | CF-OCK | Beaver |
| | CF-OCK | Beaver | | CF-OBK | Norseman |
| Oba Lake | CF-OBK | Beaver | South Porcupine | CF-OBK | Norseman |
| | CF-OBK | Beaver | Sudbury | CF-OCK | Beaver |
| Orient Bay | CF-OCK | Beaver | Temagami | CF-OCK | Beaver |
| | CF-OBK | Norseman | Twin Lakes | CF-OCK | Beaver |
| Pays Plat | CF-OCK | Beaver | Toronto | CF-OCK | Beaver |

TABLE NO. 1A

Table 1 shows the original allocation of aircraft, but the following aircraft operated for periods at the Bases shown:

| BASE | REGISTRATION | TYPE | BASE | REGISTRATION | TYPE |
|------------------|--------------|--------|-----------------|--------------|----------|
| Algonquin Park | CF-OCK | Beaver | Sioux Lookout | CF-OBK | Norseman |
| Eva Lake | CF-OBK | Beaver | South Porcupine | CF-OCK | Beaver |
| Gogama | CF-OBZ | Beaver | Sudbury | CF-OBK | Beaver |
| Oba Lake | CF-OCK | Beaver | | CF-OCK | Beaver |
| Pays Plat | CF-OCK | Beaver | Temagami | CF-OCK | Beaver |
| Port Arthur | CF-OBK | Beaver | Toronto | CF-OCK | Beaver |
| Sault Ste. Marie | CF-OCK | Beaver | | | |
| | CF-OCK | Beaver | | | |
| | CF-OCK | Beaver | | | |
| | CF-OBK | Beaver | | | |

TABLE NO. 2

TRANSPORT AIRCRAFT—EFFECTIVE LOADS CARRIED 1950-51

| AIRCRAFT | HOURS FLOWN | EFFECTIVE LOADS |
|-----------------|-------------|----------------------------------|
| NORSEMAN | | |
| CF-OB D | 23.40 | 6,060 Lbs.— 3 Tons, 60 Lbs. |
| CF-OB E | 2.05 | 870 Lbs.— |
| CF-OB F | 57.55 | 20,650 Lbs.— 10 Tons, 650 Lbs. |
| CF-OB G | 428.15 | 267,060 Lbs.—133 Tons, 1060 Lbs. |
| CF-OB H | 314.05 | 304,351 Lbs.—152 Tons, 351 Lbs. |
| CF-OB I | 247.30 | 87,495 Lbs.— 43 Tons, 1495 Lbs. |
| CF-OB L | 287.20 | 211,675 Lbs.—105 Tons, 1675 Lbs. |
| CF-OB M | 234.30 | 279,890 Lbs.—139 Tons, 1890 Lbs. |
| CF-OB N | 232.40 | 108,100 Lbs.— 54 Tons, 100 Lbs. |
| CF-OB O | 238.20 | 124,870 Lbs.— 62 Tons, 870 Lbs. |
| CF-OB Q | 246.15 | 267,305 Lbs.—133 Tons, 1305 Lbs. |
| CF-OB R | 264.55 | 148,205 Lbs.— 74 Tons, 205 Lbs. |
| BEAVER | | |
| CF-OB S | 366.55 | 196,420 Lbs.— 98 Tons, 420 Lbs. |
| CF-OB T | 291.10 | 212,285 Lbs.—106 Tons, 285 Lbs. |
| CF-OB U | 216.30 | 96,435 Lbs.— 48 Tons, 435 Lbs. |
| CF-OB V | 97.30 | 16,705 Lbs.— 8 Tons, 705 Lbs. |
| CF-OB W | 246.50 | 139,780 Lbs.— 69 Tons, 1780 Lbs. |
| CF-OB X | 332.35 | 223,455 Lbs.—111 Tons, 1455 Lbs. |
| CF-OB Y | 412.00 | 258,690 Lbs.—129 Tons, 690 Lbs. |
| CF-OB Z | 168.20 | 113,920 Lbs.— 56 Tons, 1920 Lbs. |
| CF-OC A | 194.05 | 85,600 Lbs.— 42 Tons, 1600 Lbs. |
| CF-OC B | 257.05 | 171,215 Lbs.— 85 Tons, 1215 Lbs. |
| CF-OC C | 288.20 | 131,085 Lbs.— 65 Tons, 1085 Lbs. |
| CF-OC D | 12.40 | 6,110 Lbs.— 3 Tons, 110 Lbs. |
| CF-OC E | 344.55 | 115,195 Lbs.— 57 Tons, 1195 Lbs. |
| CF-OC F | 167.40 | 98,155 Lbs.— 49 Tons, 155 Lbs. |
| CF-OC G | 250.00 | 125,170 Lbs.— 62 Tons, 1170 Lbs. |
| CF-OC H | 366.10 | 226,525 Lbs.—113 Tons, 525 Lbs. |
| CF-OC I | 438.00 | 213,795 Lbs.—106 Tons, 1795 Lbs. |
| CF-OC J | 191.25 | 105,855 Lbs.— 52 Tons, 1855 Lbs. |
| CF-OC K | 160.30 | 74,185 Lbs.— 37 Tons, 185 Lbs. |
| CF-OC L | 341.45 | 209,620 Lbs.—104 Tons, 1620 Lbs. |
| CF-OC M | 326.30 | 174,540 Lbs.— 87 Tons, 540 Lbs. |
| CF-OC N | 282.35 | 191,850 Lbs.— 95 Tons, 1850 Lbs. |
| CF-OC O | 114.55 | 40,105 Lbs.— 20 Tons, 105 Lbs. |
| CF-OC P | 326.20 | 129,350 Lbs.— 64 Tons, 1350 Lbs. |
| CF-OC Q | 272.40 | 115,130 Lbs.— 57 Tons, 1130 Lbs. |
| CF-OC R | 51.10 | 16,075 Lbs.— 8 Tons, 75 Lbs. |
| CF-OC S | 371.15 | 429,705 Lbs.—214 Tons, 1705 Lbs. |
| CF-OC T | 424.25 | 310,901 Lbs.—155 Tons, 901 Lbs. |
| CF-OC U | 445.40 | 257,933 Lbs.—128 Tons, 1933 Lbs. |
| CF-OC V | 201.30 | 150,030 Lbs.— 75 Tons, 30 Lbs. |
| CF-OC W | 273.20 | 93,430 Lbs.— 46 Tons, 1430 Lbs. |
| CF-OC X | 128.20 | 149,715 Lbs.— 74 Tons, 1715 Lbs. |
| CF-OC Y | 116.35 | 27,616 Lbs.— 13 Tons, 1616 Lbs. |

TOTAL TRANSPORT SECTIONS:—

Total Flying Time, Hours11,057.10

Total Loading, Lbs.6,733,111

Total Loading, Tons3,366 Tons, 1,111 Lbs.

TABLE NO. 3
HOURS FLOWN ON VARIOUS PHASES OF FLYING OPERATIONS

| | 1949-50 | 1950-51 | TOTAL |
|--|-----------|-----------|-----------|
| Fire Ranging (Detection and Supervision)..... | 6,925.55 | 4,211.00 | 11,136.55 |
| Timber Management | 603.35 | 938.15 | 1,541.50 |
| Fish and Wildlife..... | 1,644.10 | 2,029.25 | 3,673.35 |
| Lands | 110.25 | 283.05 | 393.30 |
| Commercial Flying..... | 278.30 | 232.40 | 511.10 |
| Administration..... | 3,968.10 | 3,362.45 | 7,330.55 |
| | 13,530.45 | 11,057.10 | 24,587.55 |

BREAK-DOWN OF ADMINISTRATION

| | 1950-51 | TOTAL | | 1950-51 | TOTAL |
|---|---------|--------|---|----------|----------|
| Mercy Flights | 64.10 | 64.10 | Forced Landings and Operations | 350.10 | 350.10 |
| Tests (Radio and Aircraft) .. | 133.20 | 133.20 | Transportation Ordinary | 1,746.05 | 1,746.05 |
| Ferrying and Instruction..... | 200.15 | 200.15 | Transportation Special | 565.35 | 565.35 |
| Research, incl. Entomology and Dusting | 303.10 | 303.10 | | | |
| | | | | 3,362.45 | 3,362.45 |

Listing carefully overhauled Beaver aircraft engines at Sault Ste. Marie.



TABLE No. 4
PASSENGERS AND PERSONNEL CARRIED

| | 1924-50 | 1950-51 | TOTAL |
|--|-------------|------------|-------------|
| Passengers Carried..... | 196,270 | 27,140 | 223,410 |
| Personnel Carried..... | 95,124 | 5,140 | 100,264 |
| Total Passengers and Personnel Carried.. | 291,394 | 32,280 | 323,674 |
| Effective Loads Flown, Lbs..... | 62,431,143 | 6,733,111 | 69,164,254 |
| Effective Loads Flown, Tons..... | 31,215 Tons | 3,366 Tons | 34,582 Tons |
| | 1,143 Lbs. | 1,111 Lbs. | 254 Lbs. |

TABLE No. 5
HOURS FLOWN AT BASES 1950-51

| BASE | HOURS FLOWN | BASE | HOURS FLOWN |
|----------------------|-------------|------------------------|-------------|
| Algonquin Park | 513.35 | Parry Sound | 347.10 |
| Biscotasing | 256.45 | Pickle Lake | 255.25 |
| Caribou Lake | 221.00 | Port Arthur | 492.50 |
| Chapleau | 366.10 | Red Lake | 184.35 |
| Eva Lake | 522.50 | Remi Lake | 338.20 |
| Fort Frances | 233.50 | Sault Ste. Marie | 1,158.25 |
| Geraldton | 371.55 | Sioux Lookout | 833.45 |
| Gogama | 500.30 | South Porcupine | 452.35 |
| Ignace | 442.10 | Sudbury | 448.35 |
| Kenora | 581.00 | Temagami | 521.05 |
| Oba Lake | 607.20 | Twin Lakes | 246.45 |
| Orient Bay | 608.00 | Toronto | 239.40 |
| Pays Plat | 312.55 | | |
| | | | 11,057.10 |

TABLE No. 6
FLYING TIME—PILOTS

| PILOTS | 1924-50 | 1950-51 | TOTAL |
|----------------------|----------|---------|----------|
| Burton, E. C..... | 2,430.10 | 239.40 | 2,669.50 |
| Burton, J. O..... | 1,063.00 | 416.50 | 1,479.50 |
| Burt, A. E..... | 2,946.25 | 371.40 | 3,318.05 |
| Buckworth, W. B..... | 3,011.30 | .30 | 3,012.00 |
| Calladine, T. J..... | 315.15 | 330.00 | 645.15 |
| Cooke, T. C..... | 1,633.20 | 422.40 | 2,056.00 |
| Culliton, J. P..... | 3,223.20 | 201.50 | 3,425.10 |
| Colfer, A. P..... | — | 196.05 | 196.05 |
| Denley, J. G..... | 2,275.45 | 450.15 | 2,726.00 |
| Donnelly, J. T..... | 2,337.25 | 440.20 | 2,777.45 |
| Duncanson, I. C..... | 596.20 | 235.50 | 832.10 |
| Evans, F. B..... | 329.55 | 287.35 | 617.30 |
| Fawcett, T. B..... | 414.45 | 319.30 | 734.15 |
| Hull, C. L..... | 1,375.05 | 502.25 | 1,877.30 |
| Hoar, H. A..... | 161.40 | 255.10 | 416.50 |
| Hutnick, S..... | 431.25 | 308.20 | 739.45 |
| Kingdon, O. F..... | 1,598.05 | 444.10 | 2,042.15 |
| Kincaid, J..... | 2,009.35 | 271.20 | 2,280.55 |
| Kirk, C. J..... | 304.30 | 258.00 | 562.30 |
| LeFeuvre, C. J..... | 3,759.55 | 295.00 | 4,054.55 |

Continued on Next Page

| PILOTS | 1924-50 | 1950-51 | TOTAL |
|--------------------|------------|-----------|------------|
| MacDougall, F. A. | 4,035.15 | 192.50 | 4,228.05 |
| Parsons, R. | 3,771.45 | 432.15 | 4,204.00 |
| Phillips, G. H. R. | 8,217.55 | 478.40 | 8,696.35 |
| Piper, O. M. | 1,056.35 | 367.45 | 1,424.20 |
| Poulin, L. D. | 3,468.05 | 365.40 | 3,833.45 |
| Ponsford, G. E. | 629.40 | 96.10 | 725.50 |
| Reid, D. M. | 1,149.05 | 368.55 | 1,518.00 |
| Siegel, J. | 1,700.45 | 195.55 | 1,896.40 |
| Speight, H. C. | 1,936.00 | 447.20 | 2,383.20 |
| Sandison, A. G. | 406.05 | 328.25 | 734.30 |
| Stone, R. W. E. | 1,107.00 | 311.20 | 1,418.20 |
| Shrive, A. N. | 364.25 | 340.20 | 704.45 |
| Smith, A. B. | 2,730.10 | 395.50 | 3,126.00 |
| Trussler, G. E. | 4,418.35 | 202.50 | 4,621.25 |
| Taylor, J. M. | 2,761.25 | 49.15 | 2,810.40 |
| Thomas, E. | — | 232.50 | 232.50 |
| All Other Pilots | 120,849.55 | 3.40 | 120,853.35 |
| TOTAL: | 188,820.05 | 11,057.10 | 199,877.15 |

The use of aircraft enables Departmental survey parties to survey areas that are inaccessible by other means.



TABLE No. 7
FLYING TIME—AIRCRAFT

| AIRCRAFT | 1924-50 | 1950-51 | TOTAL |
|---------------------|------------|-----------|------------|
| NORSEMAN | | | |
| CF-OBD | 1,752.40 | 23.40 | 1,776.20 |
| CF-OBE | 1,623.50 | 2.05 | 1,625.55 |
| CF-OBF | 1,704.55 | 57.55 | 1,762.50 |
| CF-OBG | 1,868.25 | 428.15 | 2,296.40 |
| CF-OBH | 1,911.30 | 314.05 | 2,225.35 |
| CF-OB I | 1,732.55 | 247.30 | 1,980.25 |
| CF-OB L | 1,328.50 | 287.20 | 1,616.10 |
| CF-OB M | 1,207.15 | 234.30 | 1,441.45 |
| CF-OB N | 1,221.35 | 232.40 | 1,454.15 |
| CF-OB O | 1,098.45 | 238.20 | 1,337.05 |
| CF-OB Q | 1,068.15 | 246.15 | 1,314.30 |
| CF-OB R | 1,053.50 | 264.55 | 1,318.45 |
| BEAVER | | | |
| CF-OBS | 947.20 | 366.55 | 1,314.15 |
| CF-OBT | 680.20 | 291.10 | 971.30 |
| CF-OB U | 887.25 | 216.30 | 1,103.55 |
| CF-OB V | 739.15 | 97.30 | 836.45 |
| CF-OB W | 897.10 | 246.50 | 1,144.00 |
| CF-OB X | 358.50 | 332.35 | 691.25 |
| CF-OB Y | 373.35 | 412.00 | 785.35 |
| CF-OB Z | 514.15 | 168.20 | 682.35 |
| CF-OCA | 388.10 | 194.05 | 582.15 |
| CF-OCB | 415.15 | 257.05 | 672.20 |
| CF-OCC | 248.25 | 288.20 | 536.45 |
| CF-OCD | 529.05 | 12.40 | 541.45 |
| CF-OCE | 415.00 | 344.55 | 759.55 |
| CF-OCF | 621.20 | 167.40 | 789.00 |
| CF-OCG | 318.55 | 250.00 | 568.55 |
| CF-OCH | 274.55 | 366.10 | 641.05 |
| CF-OCI | 477.45 | 438.00 | 915.45 |
| CF-OCJ | 269.45 | 191.25 | 461.10 |
| CF-OCK | 541.30 | 160.30 | 702.00 |
| CF-OCL | 364.55 | 341.45 | 706.40 |
| CF-OCM | 329.40 | 326.30 | 656.10 |
| CF-OCN | 338.25 | 282.35 | 621.00 |
| CF-OCO | 107.40 | 114.55 | 222.35 |
| CF-OC P | 223.00 | 326.20 | 549.20 |
| CF-OC Q | 265.25 | 272.40 | 538.05 |
| CF-OCR | 370.25 | 51.10 | 421.35 |
| CF-OCS | 459.30 | 371.15 | 830.45 |
| CF-OCT | 106.40 | 424.25 | 531.05 |
| CF-OCU | — | 445.40 | 445.40 |
| CF-OCV | — | 201.30 | 201.30 |
| CF-OCW | — | 273.20 | 273.20 |
| CF-OCX | — | 128.20 | 128.20 |
| CF-OCY | — | 116.35 | 116.35 |
| All Other Aircraft: | 157,872.40 | — | 157,872.40 |
| TOTAL: | 187,909.20 | 11,057.10 | 198,966.30 |



Division of Fish and Wildlife



DIVISION OF FISH AND WILDLIFE

WILDLIFE MANAGEMENT

GENERAL

A close season was established on moose throughout the Province, leaving deer and bear the only widely distributed big-game animals open. In view of the finding of a thorough investigation by Dr. A. A. Kingscote, of the Ontario Veterinary College, that an increase in elk would prejudice the health of wild and domestic animals, permits to shoot elk were issued free to holders of deer licences. Very few were killed.

Upland game birds are generally numerous, but the first signs of cyclical dying-off of ruffed grouse appeared in a few scattered areas. The European hare, which has been scarce, is now increasing.

Fur-bearing animals increased, with the exception of lynx. The beaver population is very high, and territories depopulated by disease are recovering. Nevertheless, beaver disease still exists in scattered areas. We are indebted to Dr. N. A. Labzoffsky of the Ontario Department of Health, working with Dr. J. F. A. Sprent, of the Ontario Research Foundation, for the identification of the disease as a form of Tularemia. The same disease was also identified in muskrats in southern Ontario. The prevention of die-outs depends on adequate harvesting and prevention of overpopulation.

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TRAP-LINE MANAGEMENT

Trap-line licences were issued to the number of 4,883, of which 3,330 were to Treaty Indians.

Trap-line management in northern Ontario was greatly advanced by an agreement with the Dominion Department of Citizenship and Immigration covering the expenditure of \$150,000.00 per year for ten years on Wildlife Management as related to Indians. Half of this sum is provided by the Dominion being new funds over and above those customarily spent by the Department in Indian areas. This has made possible the establishment of a special group of sub-technical personnel known as Wildlife Management Officers. As of the end of the fiscal year there were twelve of these men in the field, of whom six were operating north of the northernmost railway line.

CO-OPERATION WITH WILDLIFE MANAGEMENT INSTITUTE

The co-operative program of pheasant studies on Pelee Island was concluded.

RESTOCKING

A total of 70,455 pheasants were distributed during the season. Of these 43,250 were poults and adult birds released soon after distribution by gentle release, and 27,205 were chicks which were reared and released by recipients, with a gratifyingly high degree of success.

A few Hungarian partridge were moved from Rideau District to Quinte District, and a few Pinnated grouse were released in Quinte District. These latter restocking movements are as yet insignificant, but as techniques improve they can be expanded.

FUR FARMING

The market for ranch-raised mink pelts continued its rising trend from the fall of 1949, through 1950. The strong demand at good prices was due to the fact that there was no backlog or carry-over of pelts from the previous year, coupled with the fear of a shortage due to the stoppage of Russian furs from entering the North American market. These conditions were welcomed by ranchers who had experienced poor markets for the past three years.

Standard mink brought remarkably good prices as did Pastel, Aleutian and all phases of Silverblu in the mutation class. The anticipated increase in production of Pastels materialized and is now competing with wild mink for the supreme position in the mink market.

There were indications throughout the year that the silver fox market was coming back as renewed interest was shown again in long-haired furs. Standard silver and the mutation foxes were in good demand and prices increased to the point where ranchers can maintain the nucleus of their breeding stock without loss. With the drastic cut in production and the spirited promotional program that is in existence, it is anticipated that the fox market will show steady improvement.

Despite the good mink market, the high rate of employment at inflationary wages in other industries, due principally to the international situation, enticed a number of smaller ranchers to seek employment elsewhere and discontinue fur farming. This resulted in a net decrease of 319 ranches, as compared to the

previous year. A total of 1,078 Fur Farmers Licences were issued during the calendar year. 991 renewals of previous licences, 72 for newly established ranches and 15 licences were issued with retroactive provisions, to legalize the operation of ranches during the previous year.

TABLE NO. 1
SUMMARY OF BREEDING STOCK
LICENSED FUR FARM, JANUARY 1ST

| | 1946 | 1947 | 1948 | 1949 | 1950 |
|---------------------|-------|-------|-------|-------|-------|
| Beaver | 30 | 45 | 70 | 71 | 56 |
| Fisher | 35 | 45 | 46 | 26 | 23 |
| Blue Fox | 1283 | 1276 | 1450 | 385 | 256 |
| Cross Fox | 47 | 36 | 23 | 11 | 10 |
| Pearl Platinum Fox | * | 378 | 368 | 565 | 476 |
| Platinum Fox | 2382 | 3133 | 2437 | 1549 | 903 |
| Red Fox | 110 | 94 | 38 | 23 | 30 |
| Standard Silver Fox | 10772 | 9400 | 6654 | 5016 | 3391 |
| White Fox | * | 5 | 1 | 4 | 1 |
| White Marked Fox | 3115 | 3179 | 1690 | 927 | 384 |
| Lynx | 1 | 1 | 1 | 1 | 0 |
| Marten | 16 | 28 | 35 | 35 | 43 |
| Mink | 50677 | 72992 | 75192 | 71139 | 67943 |
| Muskrat | 2 | 92 | 65 | 55 | 125 |
| Raccoon | 130 | 127 | 97 | 94 | 76 |
| Skunk | 3 | 2 | 1 | 5 | 4 |

**Shown under allied types.*
Conservation Officer O. D. Lewis tagging beaver skin at Mammamattawa.



The following table shows the location by County or District, of licensed fur farms:

| COUNTY OR DISTRICT | NUMBER | COUNTY OR DISTRICT | NUMBER |
|----------------------|--------|--------------------|--------|
| Algoma | 11 | Middlesex | 32 |
| Brant | 7 | Nipissing | 7 |
| Bruce | 38 | Norfolk | 5 |
| Carleton | 7 | Northumberland | 10 |
| Cochrane | 4 | Ontario | 25 |
| Dufferin | 4 | Oxford | 17 |
| Dundas | 2 | Parry Sound | 17 |
| Durham | 11 | Peel | 21 |
| Elgin | 18 | Perth | 47 |
| Essex | 14 | Peterborough | 14 |
| Frontenac | 9 | Prescott | 0 |
| Glenarry | 5 | Prince Edward | 3 |
| Grenville | 5 | Rainy River | 23 |
| Grey | 61 | Renfrew | 28 |
| Haldimand | 14 | Russell | 4 |
| Halton | 26 | Simcoe | 66 |
| Hastings | 4 | Sudbury | 12 |
| Huron | 29 | Timiskaming | 7 |
| Kenora | 19 | Thunder Bay | 75 |
| Kent | 21 | Victoria | 10 |
| Lambton | 11 | Waterloo | 32 |
| Lanark | 35 | Welland | 10 |
| Leeds | 8 | Wellington | 30 |
| Lennox and Addington | 4 | Wentworth | 47 |
| Lincoln | 16 | York | 109 |
| Manitoulin | 12 | | |
| Muskoka | 8 | TOTAL | 1,063 |

WOLF BOUNTY

Under authority of The Wolf and Bear Bounty Act, the Department pays a \$25.00 bounty on a timber or brush wolf three months of age or over, and a \$15.00 bounty on a timber or brush wolf pup, under three months of age.

On wolves killed in the provisional judicial districts, the Department pays the whole bounty, whereas on those killed in the counties, the Department pays 40% and the respective county pays the remaining 60% of the bounty.

The following table shows the number and species of wolves killed and the amount of bounty paid during the past five years, including the year covered by this report.

TABLE NO. 2

| PERIOD | TIMBER | BRUSH | PUPS | TOTAL | BOUNTY AND EXPENSES |
|-------------------------------|--------|-------|------|-------|---------------------|
| For year ending Mar. 31, 1947 | 1440 | 1182 | 42 | 2664 | \$59,275.18 |
| For year ending Mar. 31, 1948 | 1515 | 961 | 74 | 2540 | 54,923.38 |
| For year ending Mar. 31, 1949 | 1581 | 1062 | 84 | 2727 | 57,977.00 |
| For year ending Mar. 31, 1950 | 1613 | 800 | 41 | 2544 | 56,927.00 |
| For year ending Mar. 31, 1951 | 1405 | 651 | 44 | 2100 | 46,457.00 |

During the period covered by this report, 1,438 claims for bounty were considered. Seven claims representing 8 wolves were refused, due to the illegal use of snares or the whole pelt not being produced. Ten other claims were refused because the pelts submitted were found to be fox or dog pelts.

The hunting of wolves from aircraft was authorized during the previous winter season. This type of hunting is proving to be not only interesting and profitable to resident and non-resident sportsmen, but an effective means of taking wolves.

Hereunder is a computation of the bounty paid in counties and districts.

| COUNTIES | | DISTRICTS | |
|-----------------------|-------------|-------------------------|-------------|
| Adults—338 x 10 | \$ 3,380.00 | Adults—1,710 x 25 | \$42,750.00 |
| Pups—37 x 6 | 222.00 | Pups—7 x 15 | 105.00 |
| | | TOTAL | \$42,855.00 |
| TOTAL | \$ 3,602.00 | GRAND TOTAL | \$46,457.00 |

The following is a summary of the number of wolves killed in each of the counties and districts, on which claims for bounty were received.

TABLE No. 3
WOLF BOUNTY FOR FISCAL YEAR 1950-51

| COUNTY | TIMBER | BRUSH | PUPS | TOTAL |
|----------------------------|--------|-------|------|-------|
| Brant | | 1 | | 1 |
| Bruce | | 14 | | 14 |
| Carleton | | 8 | | 8 |
| Dufferin | | 1 | 18 | 19 |
| Dundas | | 1 | | 1 |
| Durham | | 4 | | 4 |
| Elgin | | 2 | | 2 |
| Essex | | 1 | | 1 |
| Frontenac | | 24 | | 24 |
| Glengarry | | 1 | | 1 |
| Grenville | 1 | 9 | 2 | 12 |
| Grey | | 5 | | 5 |
| Haldimand | | 2 | | 2 |
| Halton | | 2 | | 2 |
| Hastings | 14 | 36 | | 50 |
| Kent | | 2 | | 2 |
| Lambton | | 2 | | 2 |
| Lanark | | 24 | | 24 |
| Leeds | | 7 | | 7 |
| Lennox and Addington | | 22 | | 22 |
| Middlesex | 1 | | | 1 |
| Norfolk | | 3 | 7 | 10 |
| Northumberland | | 10 | | 10 |
| Ontario | | 5 | | 5 |
| Oxford | | 1 | | 1 |
| Peel | | 1 | | 1 |
| Peterborough | 4 | 8 | | 12 |
| Renfrew | 15 | 51 | 1 | 67 |
| Simcoe | | 15 | | 15 |
| Victoria | 2 | 29 | 9 | 40 |
| Welland | | 8 | | 8 |
| Wellington | | 2 | | 2 |
| York | | 2 | | 2 |
| TOTAL FOR COUNTIES .. | 37 | 303 | 37 | 377 |

TABLE NO. 4
WOLF BOUNTY FOR FISCAL YEAR 1950-51

| DISTRICT | TIMBER | BRUSH | PUPS | TOTAL |
|-----------------------|--------|-------|------|-------|
| Algoma | 54 | 54 | | 108 |
| Coehrane | 54 | 1 | 1 | 56 |
| Haliburton | 12 | | | 12 |
| Kenora | 542 | 77 | 1 | 620 |
| Manitoulin | 13 | 62 | 2 | 77 |
| Muskoka | 17 | 3 | 1 | 21 |
| Nipissing | 81 | 5 | | 86 |
| Parry Sound | 35 | 10 | | 45 |
| Patricia | 47 | 3 | | 50 |
| Rainy River | 174 | 63 | 1 | 238 |
| Sudbury | 80 | 40 | 1 | 121 |
| Timiskaming | 23 | 1 | | 24 |
| Thunder Bay | 236 | 29 | | 265 |
| TOTAL DISTRICTS | 1368 | 348 | 7 | 1723 |
| TOTAL COUNTIES | 37 | 303 | 37 | 377 |
| GRAND TOTAL | 1405 | 651 | 44 | 2100 |

BEAR BOUNTY 1950-51

Under authority of The Wolf and Bear Bounty Act, the Department pays a \$10.00 bounty on any bear 12 months of age or over and a \$5.00 bounty on any bear cub under 12 months of age, which has been killed between April 15th and November 30th, in a township of which 25% of the total area is devoted to agriculture and which is located in one of the counties or districts described in the Regulations. The Act further specifies that the bear must be killed in defence or preservation of livestock or property, by a bona fide resident of the township.

The following table shows the number of bears killed and the amount of bounty paid during the past five years, including the year covered by this report:

TABLE NO. 5

| PERIOD | ADULTS | CUBS | BOUNTY |
|-------------------------------------|--------|------|------------|
| For year ending Mar. 31, 1947 | 959 | 73 | \$9,735.00 |
| For year ending Mar. 31, 1948 | 509 | 17 | 5,095.00 |
| For year ending Mar. 31, 1949 | 592 | 67 | 6,035.00 |
| For year ending Mar. 31, 1950 | 803 | 122 | 8,530.00 |
| For year ending Mar. 31, 1951 | 453 | 47 | 4,645.00 |

It is interesting to note the great fluctuation in the number of bears and cubs killed in the last three years.

The Department considered 375 claims for bounty on 453 bears and 47 cubs. However, 10 claims involving 12 bears were refused for failure to comply with the provisions of the Act.

The following table indicates the number of bears and cubs killed in each of the counties and districts, on which applications for bounty were submitted. However, these figures do not include the bears hunted and killed by sportsmen, on which bounty is not applicable.

TABLE No. 6
BEAR BOUNTY FOR FISCAL YEAR
1950-51

| COUNTY OR DISTRICT | BEAR 12 MONTHS OR OVER | CUBS UNDER 12 MONTHS | COUNTY OR DISTRICT | BEAR 12 MONTHS OR OVER | CUBS UNDER 12 MONTHS |
|----------------------|------------------------------|----------------------------|--------------------|------------------------------|----------------------------|
| Algoma | 20 | | Nipissing | 37 | 5 |
| Bruce | 2 | | Parry Sound | 37 | 2 |
| Cochrane | 74 | 11 | Peterborough | 1 | 1 |
| Frontenac | 2 | | Rainy River | 16 | |
| Haliburton | 15 | | Renfrew | 22 | 2 |
| Hastings | 22 | 4 | Sudbury | 35 | 6 |
| Lanark | 1 | | Timiskaming | 126 | 16 |
| Lennox and Addington | 5 | | Thunder Bay | 30 | |
| Manitoulin | 4 | | Victoria | 1 | |
| Muskoka | 3 | | | | |
| | | | TOTAL | 453 | 47 |

TABLE No. 7
REVENUE RECEIVED FROM
EXPORT PERMITS
APRIL 1ST, 1950, TO MARCH 31ST, 1951

| | TOTAL AMOUNT OF PELTS | TOTAL AMOUNT OF REVENUE | | TOTAL AMOUNT OF PELTS | TOTAL AMOUNT OF REVENUE |
|-----------------------|-----------------------------|-------------------------------|---------------|-----------------------------|-------------------------------|
| Beaver | 81,845 | \$163,690.00 | Mink | 38,464 | 19,232.00 |
| Fisher | 743 | 1,114.50 | Muskrats | 443,454 | 44,345.40 |
| Fox (Cross) | 713 | 356.50 | Otter | 4,973 | 4,973.00 |
| Fox (Red) | 10,957 | 1,095.70 | Raccoon | 18,180 | 1,818.00 |
| Fox (Silver or Black) | 105 | 52.50 | Skunk | 9,767 | 488.35 |
| Fox (White) | 190 | 95.00 | Weasel | 54,305 | 2,715.25 |
| Fox (Not specified) | 2 | 1.00 | Wolverine | 1 | .40 |
| Lynx | 586 | 879.00 | | | |
| Marten | 1,081 | 1,081.00 | TOTAL REVENUE | | \$241,937.60 |

TABLE No. 8
REVENUE RECEIVED FROM
TANNERS' PERMITS
APRIL 1ST, 1950, TO MARCH 31ST, 1951

| | TOTAL AMOUNT OF PELTS | TOTAL AMOUNT OF REVENUE | | TOTAL AMOUNT OF PELTS | TOTAL AMOUNT OF REVENUE |
|-----------------------|-----------------------------|-------------------------------|---------------|-----------------------------|-------------------------------|
| Beaver | 203 | \$ 406.00 | Mink | 1,038 | 519.00 |
| Fisher | 10 | 15.00 | Muskrats | 140,637 | 14,063.70 |
| Fox (Cross) | 56 | 28.00 | Otter | 24 | 24.00 |
| Fox (Red) | 1,305 | 130.50 | Raccoon | 1,577 | 157.70 |
| Fox (Silver or Black) | 12 | 6.00 | Skunk | 778 | 38.90 |
| Fox (White) | 16 | 8.00 | Weasel | 491 | 24.55 |
| Fox (Not specified) | 3 | 1.50 | Wolverine | 1 | .40 |
| Lynx | 15 | 22.50 | | | |
| Marten | 47 | 47.00 | TOTAL REVENUE | | \$ 15,492.75 |

TABLE No. 9
SUMMARY

| | PELTS EXPORTED | PELTS TANNED | TOTAL PELTS |
|----------------------------|-------------------|-----------------|----------------|
| Beaver .. | 81,845 | 203 | 82,048 |
| Fisher..... | 743 | 10 | 753 |
| Fox (Cross)..... | 713 | 56 | 769 |
| Fox (Red)..... | 10,957 | 1,305 | 12,262 |
| Fox (Silver or Black)..... | 105 | 12 | 117 |
| Fox (White)..... | 190 | 16 | 206 |
| Fox (Not specified)..... | 2 | 3 | 5 |
| Lynx | 586 | 15 | 601 |
| Marten | 1,081 | 47 | 1,128 |
| Mink | 38,464 | 1,038 | 39,502 |
| Muskrats | 443,454 | 140,637 | 584,091 |
| Otter..... | 4,973 | 24 | 4,997 |
| Raccoon..... | 18,180 | 1,577 | 19,757 |
| Skunk | 9,767 | 778 | 10,545 |
| Weasel | 54,305 | 491 | 54,796 |
| Wolverine..... | 1 | 1 | 2 |

| | |
|--|--------------|
| REVENUE RECEIVED FROM EXPORT PERMITS | \$241,937.60 |
| REVENUE RECEIVED FROM TANNERS' PERMITS | 15,492.75 |
| TOTAL REVENUE | \$257,430.35 |

TABLE No. 10
TOTAL VALUE OF PELTS EXPORTED OR TANNED
DURING THE YEAR ENDING MARCH 31ST, 1951

| | PELTS EXPORTED | PELTS TANNED | TOTAL PELTS | VALUE OF PELTS |
|----------------------------|-------------------|-----------------|----------------|-------------------|
| Beaver | 81,845 | 203 | 82,048 | \$1,938,794.24 |
| Fisher | 743 | 10 | 753 | 26,031.21 |
| Fox (Cross)..... | 713 | 56 | 769 | 2,445.42 |
| Fox (Red)..... | 10,957 | 1,305 | 12,262 | 14,101.30 |
| Fox (Silver or Black)..... | 105 | 12 | 117 | 1,111.50 |
| Fox (White)..... | 190 | 16 | 206 | 2,795.42 |
| Fox (Not specified)..... | 2 | 3 | 5 | 5.75 |
| Lynx | 586 | 15 | 601 | 6,977.61 |
| Marten | 1,031 | 47 | 1,128 | 22,560.00 |
| Mink | 38,464 | 1,038 | 39,502 | 1,084,329.90 |
| Muskrats | 443,454 | 140,637 | 584,091 | 1,191,545.64 |
| Otter | 4,973 | 24 | 4,997 | 136,717.92 |
| Raccoon | 18,180 | 1,577 | 19,757 | 50,380.35 |
| Skunk | 9,767 | 778 | 10,545 | 8,646.90 |
| Weasel | 54,305 | 491 | 54,796 | 96,440.96 |
| Wolverine | 1 | 1 | 2 | 16.50 |
| TOTAL | 665,366 | 146,213 | 811,579 | \$4,582,900.62 |

TABLE No. 11
STATEMENT OF RANCH RAISED PELTS EXPORTED OR TANNED
FOR THE YEAR ENDING MARCH 31ST, 1951

| | EXPORTED | TANNED | TOTAL PELTS | VALUE OF PELTS |
|----------------------------|----------|--------|-------------|-------------------|
| Fox (Blue)..... | 378 | — | 378 | \$ 2,948.40 |
| Fox (Cross)..... | 1 | — | 1 | 3.00 |
| Fox (Silver or Black)..... | 8,761 | 498 | 9,259 | 130,551.90 |
| Mink | 139,941 | 2,629 | 142,570 | 2,968,056.00 |
| | 149,081 | 3,127 | 152,208 | \$3,101,559.30 |

GAME FISH SECTION

HATCHERIES AND REARING STATIONS

Excellent results have been obtained in the culture and distribution of the various species of commercial and game fish from 26 provincial hatcheries, which were in operation this year. Dorion Trout Rearing Station which was closed for some time for renovation purposes is now in full scale operation. Following the procedure to renovate at least one hatchery annually, the Hill Lake Trout Rearing Station near Englehart is closed at present for extensive alterations. When completed, this station will be on a par with the Dorion Trout Rearing Station which is considered one of the most efficient of its kind on the continent.

After a lapse of two years, during which time it was under repairs, the Pembroke Trout Rearing Station was again in full operation, supplying fish to the Renfrew-Nipissing areas.

Of particular interest is the rearing of maskinonge at the Deer Lake Hatchery. It is necessary to feed live food to the young fry and fingerlings; this presents quite a problem at times. The Department now obtains sucker eggs from spawn-taking operations conducted at several locations. These sucker eggs are hatched, and fed as fry, to the voracious maskinonge fingerlings, as required. Each year upwards of 10,000,000 sucker eggs are needed to satisfy the demands.

A new station, Westport Bass Ponds, has now been completed and will be in full production by next year. An extensive experimental fish feeding program will be conducted here to raise bass to larger size before release.

BIOLOGICAL PROJECTS

The biological studies and projects undertaken during the year, consisted of the following:—bass harvesting, sea lamprey control, coarse fish removal, creel census studies, fish tagging, and biological surveys of lakes and streams.

SEA LAMPREY CONTROL

Operations for the control of sea lamprey were continued. A number of weirs and traps were set in selected streams flowing into the North Channel, Lake Huron and Lake Superior. Many other locations are being studied to determine their suitability for lamprey control operations.

REMOVAL OF COARSE FISH

Nets were operated for the removal of undesirable fish, such as carp and ling, from the following lakes: Black, Bobs, Crow, Hamilton Bay, Lower Rideau, Manitou, Nonquon River, Otter, Pike, Scugog, Sturgeon, and Wolfe.

CREEL CENSUS STUDIES

Some creel census studies were conducted on a number of waters to determine the proportion of hatchery-reared trout in the angler's catch. This project included waters in the districts of Thunder Bay and Algoma, and in the counties of Bruce, Grey, Peterborough and Haliburton.

FISH TAGGING

The program, initiated two years ago, of tagging smallmouth bass in Georgian Bay, was continued and 250 additional smallmouth bass were tagged.

BIOLOGICAL SURVEYS

Some long-term projects are being conducted on several waters to determine the relationship of commercial fishing to angling. These include Long Point Bay and

Rondeau Bay on Lake Erie; Mitchell Bay on Lake St. Clair; Bay of Quinte on Lake Ontario; and Lake Simcoe.

One hundred and five parent pickerel were planted in Three Mile Lake on Parry Island Indian Reservation for study.

Investigations of a biological nature were made on a number of lakes and streams, with a view to the establishment of a sound fish-management plan. These were either initial surveys or extensions of previous ones. The waters studied were as follows (lakes shown as No. 1, No. 2, etc., are different bodies of water):

| | | | |
|-------------------|-----------------|----------------------|--------------------|
| ALGOMA | HASTINGS | Paper Clip Lake | Severn River |
| Arthur Lake | Lake St. Peter | Wyse Lake | Tea Lake |
| Beaver Lake | McKnight Pond | (Red Pine Lake) | Wasdell Falls |
| Birch Lake No. 1 | Moirs River | ONTARIO | Waubauskene Bay |
| Birch Lake No. 2 | KENORA | Frenchman's Bay | SUDBURY |
| Burt Lake | Broadtail Lake | Talbot River | Wanapitei Lake |
| Cataract Lake | Eagle Lake | PARRY SOUND | THUNDER BAY |
| Conacher Lake | Hilly Lake | Ahmic Lake | Addison Lake |
| Dubourne Lake | Kramer Lake | Beaver Lake | Balancing Lake |
| Frobel Lake | Longbow Lake | Bevin Lake | Beaver Lake |
| Heron Lake | Nixon Lake | Buck Lake | Beaver Dam Lake |
| Jimmy Lake No. 1 | Wabigoon Lake | Compass Lake | Camp 42 Lake |
| Jimmy Lake No. 2 | LENNOX AND | Deete Lake | Camp 42b Lake |
| Lauzon Lake | ADDINGTON | Emily Lake | Gravel Lake |
| McEachern Lake | Weslemkoon Lake | Fawn Lake | Hansi Lake No. 1 |
| Pistol Lake | MIDDLESEX | Halfway Lake | Hansi Lake No. 2 |
| Portage Lake | Sydenham River | Lake of Bays | Hay Lake |
| Pot Lake | Thames River | Lake of Many Islands | Hilder Lake |
| Skull Lake | MUSKOKA | McQuoids Lake | Lake Marie Louise |
| Squaw Lake No. 1 | Atkin Lake | Machar Lake | Mukwa Lake |
| Squaw Lake No. 2 | Bonnie Lake | Parry Sound Harbour | Lake 101 |
| Squaw Lake No. 3 | Duck Lake | Rankin Lake | Lake 102 |
| Stoney Lake No. 1 | Heney Lake | Schamerhorn Lake | Lake 103 |
| Stoney Lake No. 2 | NIPISSING | Twin Lake | Noslo Lake |
| DURHAM | Blue Lake | Windfall Lake | Big Sister Lake |
| East Cross Creek | Boland Lake | PETERBOROUGH | Little Sister Lake |
| Little Creek | Broom Lake | Bass Lake | Tower Lake |
| Musgrave Pond | Clear Lake | Belmont Lake | Unnamed Lake |
| Pigeon Creek | (Serene Lake) | Catchacoma Lake | Wilf Lake |
| Wilmot Creek | Dymond Lake | Clear Lake | Whitefish Lake |
| HALIBURTON | Lake No. 60 | Crow Lake | Whitefish River |
| Devil Lake | Lake No. 65 | Little Ouse River | VICTORIA |
| Irondale River | McConnell Lake | Mississauga Creek | Bardeaux Creek |
| Kendrick Creek | Muskosung Lake | Norwood Pond | Creago Creek |
| LaRonde Creek | Spring Lake | Rice Lake | Crooked Lake |
| Maple Lake | Sucker Lake | SIMCOE | Fourmile Lake |
| McCue Creek | Susy Lake | MacDonald Bay | McCrimmon Creek |
| | | Nottawasaga River | |

TABLE No. 12

SUMMARY OF FISH DISTRIBUTION

FOR FISCAL YEAR APRIL 1, 1950, TO MARCH 31, 1951

| | | | |
|----------------------|-------------|-----------------------|-------------|
| Whitefish | 235,200,000 | Speckled Trout | 4,153,720 |
| Herring | 5,100,000 | Maskinonge | 3,379,700 |
| Pickerel | 160,200,000 | Smallmouth Bass | 1,860,851 |
| Lake Trout | 5,993,780 | Largemouth Bass | 603,102 |
| Brown Trout | 402,475 | Ouananiche | 435 |
| Kamloops Trout | 52,000 | | 416,946,063 |



An interesting view of the Department's rearing station buildings, Pembroke.

TABLE No. 13
DISTRIBUTION BY AGE GROUPS 1950

| SPECIES | FRY | FINGERLINGS | YEARLINGS | ADULTS | TOTAL |
|-----------------------|-------------|-------------|-----------|--------|-------------|
| Whitefish | 235,200,000 | — | — | — | 235,200,000 |
| Herring | 5,100,000 | — | — | — | 5,100,000 |
| Pickerel | 160,200,000 | — | — | — | 160,200,000 |
| Lake Trout | 1,450,000 | 4,488,820 | 54,960 | — | 5,993,780 |
| Brown Trout | 10,000 | 307,000 | 85,475 | — | 402,475 |
| Kamloops Trout | — | — | 52,000 | — | 52,000 |
| Speckled Trout | — | 1,004,700 | 3,140,960 | 8,060 | 4,153,720 |
| Maskinonge | 3,350,000 | 29,700 | — | — | 3,379,700 |
| Smallmouth Bass | 1,505,500 | 346,200 | — | 9,151 | 1,860,851 |
| Largemouth Bass | 550,000 | 52,730 | — | 372 | 603,102 |
| Ouananiche | — | — | 400 | 35 | 435 |
| | 407,365,500 | 6,229,150 | 3,333,795 | 17,618 | 416,946,063 |

TABLE NO. 14

COMPARATIVE TABLE SHOWING FISH DISTRIBUTION ACCORDING TO SPECIES

| SPECIES | 1946 | 1947 | 1948 | 1949 | 1950 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Smallmouth Bass | | | | | |
| Fry..... | 385,000 | 1,457,000 | 1,402,500 | 1,532,500 | 1,505,500 |
| Fingerlings..... | 312,710 | 579,925 | 554,900 | 398,100 | 346,200 |
| Yearlings and Adults..... | 4,418 | 5,099 | 3,459 | 6,729 | 9,151 |
| Largemouth Bass | | | | | |
| Fry..... | — | 305,000 | 410,000 | 550,000 | 550,000 |
| Fingerlings..... | 9,500 | 6,100 | 300 | 15,500 | 52,730 |
| Yearlings and Adults..... | 27 | 876 | 789 | 249 | 372 |
| Maskinonge | | | | | |
| Fry..... | 1,150,000 | 2,790,000 | 3,135,000 | 2,750,000 | 3,350,000 |
| Fingerlings..... | 6,875 | 11,540 | 24,600 | 37,550 | 29,700 |
| Adults..... | — | 127 | 195 | — | — |
| Perch | | | | | |
| Fry..... | 20,450,000 | 12,000,000 | — | — | — |
| Pickarel | | | | | |
| Fry..... | 142,485,000 | 254,030,000 | 267,170,000 | 312,900,000 | 160,200,000 |
| Brown Trout | | | | | |
| Fry..... | — | — | 9,000 | 10,000 | 10,000 |
| Fingerlings..... | 133,025 | — | 557,505 | 175,000 | 307,000 |
| Yearlings..... | 268,940 | 375,850 | 350,113 | 221,800 | 85,475 |
| Lake Trout | | | | | |
| Fry..... | 2,265,000 | — | 1,000,000 | 1,000,000 | 1,450,000 |
| Fingerlings..... | 3,609,195 | 3,467,645 | 4,858,300 | 5,561,700 | 4,488,820 |
| Yearlings..... | 28,045 | 89,050 | 77,055 | 81,200 | 54,960 |
| Rainbow Trout | | | | | |
| Fingerlings..... | — | 3,850 | 27,900 | — | — |
| Yearlings..... | 1,610 | — | 8,350 | — | — |
| Kamloops Trout | | | | | |
| Fingerlings..... | — | — | — | 2,000 | — |
| Yearlings..... | — | 16,100 | 4,600 | 32,000 | 52,000 |
| Adults..... | 4,850 | 115 | 100 | — | — |
| Speckled Trout | | | | | |
| Fry..... | 50,000 | — | 1,000 | 16,000 | — |
| Fingerlings..... | 84,730 | 517,400 | 882,450 | 1,475,300 | 1,004,700 |
| Yearlings..... | 2,760,780 | 2,802,150 | 2,333,910 | 2,938,325 | 3,140,960 |
| Adults..... | 8,656 | 1,860 | 5,270 | 2,046 | 8,060 |
| Whitefish | | | | | |
| Fry..... | 205,590,000 | 233,316,125 | 243,482,000 | 245,150,000 | 235,200,000 |
| Herring | | | | | |
| Fry..... | 69,974,000 | 23,940,000 | 20,375,000 | 8,400,000 | 5,100,000 |
| Atlantic Salmon | | | | | |
| Fingerlings..... | 88,210 | 59,000 | 101,400 | 112,000 | — |
| Ouananiche | | | | | |
| Fingerlings..... | — | — | — | 800 | — |
| Yearlings..... | — | — | — | — | 400 |
| Adults..... | — | — | — | — | 35 |
| TOTALS..... | 449,270,571 | 535,774,812 | 546,775,696 | 583,368,799 | 416,946,063 |

COMMERCIAL FISHING SECTION

Commercial fishing licences issued in 1950 for Ontario waters totalled 2,722. They may be sub-divided into two classes—those issued for taking commercial fish primarily sold for food, and commercial minnow licences for taking bait fishes. The number of minnow licences totalled 866, an increase of 156 over the previous year. Of the 1,856 commercial fishing licences issued for use in taking marketable fish, gill nets comprised over one-half, with 1,021; hoop nets totalled 267; pound and trap nets 185; seines 169; baited hook licences 142; and other types which include dip nets, power dip nets and trolling licences totalled 72.

The gill net continued to be the most important type of fishing equipment in the Canadian waters of the Great Lakes with the exception of Lake St. Clair where its use is prohibited. In northern inland lakes gill nets are employed in taking both scaled fish and sturgeon. Use of gill nets through the ice in winter fishing is an important aspect of the industry in many of the northern lakes. In southern inland waters the use of gill nets is restricted entirely to the removal of carp.

Pound nets are still the second most favoured gear in Lake Erie, Lake Huron, Lake Superior and some northern Ontario waters, but the use of trap nets, which in some areas of Lake Erie and Lake Huron are more favoured by the fisherman, is rapidly growing in importance and may largely replace pound nets in the future.

Hoop nets are used extensively in the more shallow waters of Lake Ontario's Bay of Quinte area and in southern inland waters as well as in Lake of the Woods, where they take important catches of both coarse and commercial species.

Seine nets are used throughout Ontario, in shallow waters where soft bottoms are found, for taking coarse fish, especially carp, suckers and catfish.

Baited hooks are important in northern rivers and lakes, Lake St. Clair, the Niagara River and the St. Lawrence River for taking sturgeon; in Georgian Bay for taking lake trout, and in many southern waters for catching catfish, eels or coarse fish.

Dip nets are used largely for coarse fish throughout the Province and a few trolling lines take trout and other species.

Minnows are taken commercially by dip nets, seine nets, and by wire traps. An increased number of minnow licences in 1950 reflects the increasing demand for live bait and the response of this part of the Industry to the anglers' and tourists' needs.

The sea lamprey, which is trapped by the Department to assist in protecting the fish resources from this destructive parasitic animal, was experimentally commercialized in 1950. There appears to be some possibility that the lamprey may become a part of the commercial catch and find a restricted market.

The total harvest of the commercial fishing industry for the year ending December 31, 1950, was 32,755,813 lbs. of fish with a landed value of just over 6¼ million dollars (\$6,252,046.51). Although there was a decrease from 1949 of 1,305,448 lbs. or 3.8%, in the total landed catch the total value increased by \$755,209.63 or 14.1%. Both increase in value of the fish and larger catches of some more valuable species were factors resulting in the higher value. The industry was at the same time faced by increased costs of gear and labour.

An important characteristic of the commercial fishery is the fluctuation in the total catch of many species. The most significant example is the production of blue pickerel in Lake Erie, which dropped from a four year high in 1949, by 1,165,549 lbs. or 11.8% in 1950. This downward trend will probably continue for at least another year in Lake Erie. A decrease of 564,940 lbs. of herring was due to a poor production in Lake Superior during the fall fishing. The net decrease of nearly ½-million pounds of whitefish can be attributed largely to a decrease in the Lake Erie production, of 1,229,967 lbs. or 33.9%. The production of whitefish in Lake Huron, Georgian Bay, and the North Channel showed a significant increase over 1949, continuing a trend noted in the previous year, and doing much to place this fishery in a more favourable economic position.

Lake trout production showed a considerable increase of 151,707 lbs. due largely to larger catches in northern inland lakes and in Lake Superior, and to minor increases in the North Channel, and Lake Huron. The Lake Huron production rose from 3,207 in 1949 to 10,601 lbs. in 1950, an insignificant amount as compared to the 1936 production of over two million pounds but nevertheless representing a favourable trend.

The production of Goldeyes showed a very significant increase of 34,268 lbs. to a total of 84,068 lbs. This increase resulted from a greater fishing pressure in a few of the lakes in the far north-western part of the Province and the total production of this Canadian fish delicacy has risen from 28,232 lbs. in 1948 and 49,800 lbs. in 1949 to over 84,000 lbs. in 1950.

Yellow pickerel and saugers increased in production, largely in Lake Erie and somewhat offset the reduction in blue pickerel yields.

The production of carp, and of coarse fish both increased and, although the money returns per pound of fish are small, these fishes form an important part of the fishery. Some species such as ling are frequently unable to be marketed but their annual removal as a weed crop is considered desirable in the management of the fishery.

The body of water showing the most important increase in production was Georgian Bay, where the harvest of commercial fish nearly doubled, from 1,563,404 lbs. in 1949 to 2,794,118 lbs. in 1950, due largely to increased catches of whitefish (over a million pounds) as well as herring and tullibee.

In Lake Ontario 213,400 lbs. more commercial species were harvested than in 1949. As also in Georgian Bay, whitefish showed the most important change over 1949 with a production of 418,929 in 1950 as compared to 218,564 in the previous year.

An increase of 118,237 lbs. in production in the waters of the North Channel was also due largely to improved whitefish production.

The number of men employed in the industry was slightly reduced, while the amounts of gear remained relatively the same. The slight decrease noted in gill net yardage was offset by the increased number of pound nets in use.

Total value of equipment was \$690,726 higher in 1950 than in 1949. Higher costs of replacing fishing gear and of new equipment has increased the value placed upon nets and boats, as well as upon shore installations in the industry.

TABLE No. 15
COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES
OF ONTARIO, BY LAKE

| LAKE | 1949 POUNDS | 1950 POUNDS | INCREASE POUNDS | DECREASE POUNDS |
|----------------------|----------------|----------------|--------------------|--------------------|
| Ontario..... | 2,005,897 | 2,219,297 | 213,400 | — |
| Erie..... | 19,092,876 | 16,866,059 | — | 2,226,817 |
| St. Clair..... | 540,022 | 468,873 | — | 71,149 |
| Huron..... | 1,259,671 | 1,300,505 | 40,834 | — |
| Georgian Bay..... | 1,563,404 | 2,794,118 | 1,230,714 | — |
| North Channel..... | 549,627 | 667,864 | 118,237 | — |
| Superior..... | 3,188,397 | 2,654,618 | — | 533,779 |
| Northern Inland..... | 5,254,129 | 5,228,991 | — | 25,138 |
| Southern Inland..... | 607,338 | 555,488 | — | 51,850 |
| TOTAL..... | 34,061,361 | 32,755,813 | 1,603,185 | 2,908,733 |
| NET DECREASE..... | | | | 1,305,548 |

TABLE No. 16
COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES
OF ONTARIO, BY SPECIES

| SPECIES | 1949 POUNDS | 1950 POUNDS | INCREASE POUNDS | DECREASE POUNDS |
|----------------------------|----------------|----------------|--------------------|--------------------|
| Carp..... | 646,184 | 806,402 | 160,218 | — |
| Catfish and Bullheads..... | 902,132 | 895,401 | — | 6,731 |
| Caviare..... | 1,850 | 1,278 | — | 572 |
| Eels..... | 47,861 | 30,275 | — | 17,586 |
| Goldeyes..... | 49,800 | 84,068 | 34,268 | — |
| Herring..... | 2,136,951 | 1,572,011 | — | 564,940 |
| Mixed Coarse..... | 3,716,650 | 4,063,744 | 347,094 | — |
| Perch..... | 2,698,438 | 2,709,773 | 11,335 | — |
| Pickarel (Blue)..... | 9,830,912 | 8,665,363 | — | 1,165,549 |
| Pickarel (Yellow)..... | 3,235,222 | 3,509,585 | 274,363 | — |
| Pike..... | 1,027,460 | 874,967 | — | 152,493 |
| Saugers..... | 190,633 | 342,655 | 152,022 | — |
| Sturgeon..... | 183,814 | 167,568 | — | 16,246 |
| Lake Trout..... | 1,891,964 | 2,043,671 | 151,707 | — |
| Tullibee..... | 438,174 | 400,357 | — | 37,817 |
| Whitefish..... | 7,063,316 | 6,588,695 | — | 474,621 |
| TOTAL..... | 34,061,361 | 32,755,813 | 1,131,007 | 2,436,555 |
| NET DECREASE..... | | | | 1,305,548 |

DEVELOPMENTS IN THE INDUSTRY

TRAP NETS

In Lake Erie the long established pound net fishery is gradually being replaced by trap nets. After a year of experimentation, in which one trap net was allowed to be used in lieu of one pound net per fishery, it was concluded that the new type of net was a more economic method of taking fish. Authority was provided to use three trap nets per fishery and later in the year to replace each pound net by one trap net.

Most of the pound net fisheries were occupied during 1950 in gradually converting to the use of trap nets. Trap nets are favoured in many fisheries because they do not require to be anchored by stakes which are expensive and difficult to procure in the proper lengths. The new nets can be set earlier in the season while market prices are apt to be better. Stormy weather which would prevent setting of pound

TABLE No. 17

**STATISTICS OF THE FISHING INDUSTRY IN THE PUBLIC WATERS OF ONTARIO
FOR THE YEAR ENDING DECEMBER 31, 1950
EQUIPMENT**

| No. of Men | Tugs | | Gasoline Launches | | Sail and Row Boats | | Gill Nets | | Seine Nets | | Pound Nets and Trap Nets | | Hoop Nets | | Dip and Roll Nets | | Night Lines | | Trolling Lines | | Freezers and Ice Houses | | Piers and Wharves | | Total Value | | | | | | |
|------------------------|-------|------|-------------------|-----------|--------------------|-----------|-----------|---------|------------|-----------|--------------------------|----------|-----------|----------|-------------------|----------|-------------|---------|----------------|---------|-------------------------|----------|-------------------|----------|-------------|-----------|--------|--------|---------|---------|-----------|
| | No. | Tons | No. | Value \$ | No. | Value \$ | No. | Yards | Value \$ | No. | Yards | Value \$ | No. | Value \$ | No. | Value \$ | No. | Val. \$ | No. | Val. \$ | No. | Value \$ | No. | Value \$ | | | | | | | |
| Northern Inland Waters | 1,051 | 7 | 90 | 73,357 | 214 | 167,365 | 371 | 36,566 | 713,663 | 158,208 | 1 | 25 | 45 | 35 | 22,750 | 52 | 3,805 | 5 | 23 | 6,000 | 854 | 12 | 150 | 54 | 34,155 | 140 | 62,329 | 131 | 38,335 | 563,707 | |
| Lake Superior | 317 | 12 | 305 | 116,000 | 127 | 184,718 | 56 | 8,010 | 1,316,446 | 283,775 | 30 | 23,200 | 34 | 19,100 | 34 | 19,100 | 1 | 4 | | | 21 | 22,375 | 18 | 11,350 | 54 | 34,155 | 57 | 30,200 | 680,208 | | |
| North Channel | 78 | 2 | 81 | 35,000 | 22 | 44,650 | 24 | 2,225 | 353,920 | 57,290 | 34 | 19,100 | 100 | 142,100 | 100 | 142,100 | | | | | 42 | 70,450 | 17 | 9,025 | 42 | 70,450 | 17 | 9,025 | 489,045 | | |
| Lake Huron | 161 | 1 | 101 | 50,000 | 53 | 108,750 | 23 | 2,725 | 513,770 | 105,945 | 100 | 142,100 | 20 | 400 | 20 | 400 | | | | | 39 | 29,175 | 45 | 24,625 | 39 | 29,175 | 45 | 24,625 | 616,766 | | |
| Georgian Bay | 297 | 10 | 224 | 111,000 | 103 | 157,895 | 37 | 5,345 | 1,076,015 | 198,270 | 5 | 600 | 735 | 72 | 87,300 | 20 | 400 | | | | | 11,070 | 2,921 | 8,700 | 895 | 17 | 14,450 | 9 | 5,530 | 93,985 | |
| Lake St. Clair | 67 | | | | 23 | 25,500 | 40 | 4,785 | | | 5 | 600 | 735 | 158 | 41,750 | | | | | | | 8,700 | 895 | 17 | 14,450 | 9 | 5,530 | 93,985 | | | |
| Lake Erie | 1,080 | 80 | 1,614 | 942,500 | 178 | 533,150 | 120 | 17,910 | 4,124,375 | 859,988 | 38 | 3,200 | 3,075 | 158 | 41,750 | | | | | | | 11,070 | 2,921 | 8,700 | 895 | 17 | 14,450 | 9 | 5,530 | 93,985 | |
| Lake Ontario | 633 | 1 | 8 | 7,000 | 201 | 156,672 | 240 | 16,770 | 931,080 | 169,957 | 31 | 2,263 | 3,130 | 785 | 629,145 | 32 | 4,275 | 1 | 5 | | | 11,459 | 10,700 | 1,054 | 12 | 60 | 27 | 11,245 | 33 | 7,830 | 3,577,202 |
| Southern Inland Waters | 224 | | | | 14 | 3,302 | 120 | 7,070 | 2,000 | 850 | 21 | 2,315 | 2,725 | 412 | 22,575 | 17 | 100 | 3,340 | 327 | | | 4 | 1,270 | 1 | 230 | 38,649 | | | | | |
| Totals | 3,886 | 116 | | 1,334,897 | 955 | 1,382,202 | 1,631 | 101,406 | 9,064,269 | 1,834,253 | 112 | 17,721 | 23,205 | 1,214 | 965,345 | 35 | 4,691 | 47,378 | 6,365 | 24 | 210 | 477 | 721,749 | 425 | 224,475 | 6,678,891 | | | | | |

TABLE No. 18

QUANTITIES OF FISH TAKEN

| | Herring lbs. | Whitefish lbs. | Trout lbs. | Pike lbs. | Pickerel (Blue) lbs. | Pickerel (Dore) lbs. | Sturgeon lbs. | Eels lbs. | Perch lbs. | Tulibee lbs. | Catfish lbs. | Carp lbs. | Mixed Coarse lbs. | Caviare lbs. | Saugers lbs. | Goldeyes lbs. | Total lbs. | Value \$ | cts. |
|------------------------|-----------------|-------------------|---------------|--------------|----------------------------|----------------------------|------------------|--------------|---------------|-----------------|-----------------|--------------|-------------------------|-----------------|-----------------|------------------|---------------|-------------|------|
| Northern Inland Waters | | | | | | | | | | | | | | | | | | | |
| Lake Superior | 2,319 | 1,737,562 | 105,967 | 784,221 | 1,397,150 | 121,821 | 9,494 | 169,647 | 20,811 | 187 | 594,771 | 673 | 81,068 | 5,228,091 | 881,456 | 41 | | | |
| Lake Superior | 501,073 | 340,758 | 1,506,305 | 2,342 | 144,508 | 564 | 33 | 29,321 | 174 | 125,940 | 174 | 125,940 | 79 | 2,694,618 | 626,171 | 94 | | | |
| North Channel | 3,063 | 309,867 | 71,205 | 32,076 | 71,707 | 6,921 | 12,846 | 128,949 | 1,012 | 2,708 | 156,110 | 225 | 1,300,505 | 293,709 | 27 | | | | |
| Lake Huron | 128,299 | 306,229 | 10,601 | 618 | 239,459 | 7,400 | 627 | 358,788 | 19,020 | 11,204 | 88,996 | 52,412 | 2,794,118 | 765,679 | 02 | | | | |
| Georgian Bay | 62,929 | 2,087,983 | 334,148 | 12,329 | 133,413 | 1,028 | 238 | 72,440 | 1,679 | 35,468 | 52,412 | 87 | 408,873 | 52,480 | 01 | | | | |
| Lake St. Clair | | | | 7,218 | | 36,968 | 7,063 | 22,397 | | | 45,879 | 101,113 | 218,118 | | | | | | |
| Lake St. Clair | 645,313 | 1,290,367 | 22 | 3,908 | 8,611,434 | 1,251,367 | 11,372 | 52 | 2,165,762 | 78,956 | 273,764 | 2,000,367 | 519,651 | 242,150 | 504,802 | 84 | 16,866,059 | 3,119,310 | 87 |
| Lake Erie | | | 15,423 | 32,050 | 53,929 | 34,093 | 8,076 | 28,729 | 136,527 | 519,651 | 242,150 | 504,802 | 84 | 2,219,267 | 308,826 | 09 | | | |
| Lake Ontario | 224,824 | 418,920 | | 32,050 | | | 3,233 | 867 | 4,018 | | 208,363 | 136,634 | 202,138 | | 555,488 | | 555,488 | 62,110 | 85 |
| Southern Inland Waters | | | | | | | | | | | | | | | | | | | |
| Totals | 1,572,011 | 6,588,695 | 2,043,671 | 874,967 | 8,665,363 | 3,509,585 | 167,568 | 30,275 | 2,709,773 | 400,357 | 895,401 | 806,402 | 4,063,744 | 1,278 | 342,655 | 84,068 | 32,755,813 | \$ | \$ |
| Values | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| | 316,634.86 | 1,922,254.27 | 692,967.90 | 77,534.10 | 1,385,379.50 | 796,774.31 | 137,321.62 | 1,485,000.44 | 109,000.40 | 40,008.11 | 112,239.37 | 50,746.20 | 212,912.55 | 4,632.15 | 44,545.15 | 15,132.24 | | 6,252,046 | 51 |

nets is less apt to interfere with trap net activities. Although the trap net is smaller than the usual Lake Erie pound net, and therefore required less of the expensive twine in its construction, it is believed that in many locations it is more efficient in taking fish. The comparative mobility of the trap net is also an important factor in its favour.

COARSE FISH REMOVAL

Experiments involving coarse fish and whitefish removal by commercial fishermen in waters which had been reserved for angling continued during the year.

Closer co-operation between Anglers' and Hunters' organizations and commercial fishermen has been achieved to the betterment of both groups.

Applications of biological studies concerning fish populations, which are aimed at harvesting all species of fish were a feature of the 1950 fishing efforts.

GEORGIAN BAY

The investigation of small mesh 'chub' gill nets and of baited hook trout fishing in Georgian Bay was continued during the summer of 1950. The effect of these types of fishing upon populations of young lake trout was a matter of deep concern both to the fishermen and to the Department.

It was shown that when small mesh net is not set at proper depths that it may become a menace to small lake trout. Further study of the situation is required before many of the problems in this regard can be solved.

NYLON

The use of nylon as a gill net textile continued to spread among the industry in 1950. In Lake Erie practically all of the netting used is nylon, and cotton side lines are slowly being replaced by the newer material which is not destroyed or weakened by fungus attack.

Throughout all the industry in Ontario nylon nets are replacing the older textiles as new nets are brought to replace worn out ones.

ENFORCEMENT

Some two hundred conservation officers patrol the province to enforce the Game and Fisheries Act, the Special Fisheries Regulations and the Migratory Birds Convention Act. They are under the direct control of the District Foresters in their respective areas, and receive valuable assistance from the Ontario Provincial Police, Royal Canadian Mounted Police and deputy game wardens appointed from interested sportsmen.

The statistical details which follow show the results from their activities.

SEIZURES

During the annual period April 1, 1950, to March 31, 1951, there was a total of 2,619 cases in which equipment was seized for infractions of legislation and regulations.

TABLE NO. 19

Details of the officers who were responsible for these seizures are as follows:

| | | | |
|------------------------------------|-------------|---------------------------|-------------|
| Conservation Officers | 2,240 cases | Conservation Officers and | |
| Provincial Police Constables | 10 cases | R.C.M.P. | 1 |
| Deputy Game Wardens | 1 case | Conservation Officers and | |
| | | D.G.W. | 310 |
| JOINT ACTION: | | | |
| Conservation Officers and | | | 368 cases |
| O.P.P. | 57 | | 2,619 cases |

In 137 of these cases the seizures were made from unknown persons, principally traps and fishing gear, where it was impossible for our officers to definitely establish the ownership of the articles.

TABLE NO. 20

The articles seized in these 2,619 cases included:

| | | | |
|--------------------------------|-------------|------------------------------|------------|
| Game animals (or portions) | | Pelts and hides in | 464 cases |
| and birds in | 236 cases | Traps and snares in | 119 cases |
| Firearms in | 1,413 cases | Watercraft in | 24 cases |
| Fish in | 467 cases | Outboard motors in | 16 cases |
| Nets and fishing gear in | 166 cases | Motor vehicles in | 19 cases |
| Angling equipment in | 357 cases | Artificial lights in | 63 cases |
| Spears in | 90 cases | Miscellaneous articles | 138 pieces |

Further details concerning these various seizures are enumerated in the following tables:

TABLE NO. 21

FIREARMS

| | | | |
|--------------------------|-----------|---------------------------------------|-------------|
| .22 calibre rifles | 662 cases | Combination rifles and shotguns | 11 cases |
| High-power rifles | 254 cases | Revolvers and pistols | 6 cases |
| Shotguns | 476 cases | Air rifles | 4 cases |
| | | | 1,413 cases |

TABLE NO. 22

PELTS AND HIDES

| | | | |
|-------------------|-----|----------------|-----|
| Bear | 2 | Muskrats | 205 |
| Beaver | 170 | Otter | 8 |
| Fisher | 2 | Raccoon | 3 |
| Fox (cross) | 1 | Skunk | 5 |
| Fox (red) | 7 | Weasels | 13 |
| Marten | 7 | Wolf | 1 |
| Mink | 30 | Bobcat | 1 |
| | | | 464 |

TABLE NO. 23

MISCELLANEOUS ARTICLES

| | | | |
|--------------------------------|----|------------------------|-----|
| Packsacks and haversacks | 23 | Ice chisels | 3 |
| Axes | 3 | Car batteries | 5 |
| Hunting knives | 3 | Gaff hooks | 1 |
| Tackle boxes | 47 | Snow shoes, pair | 2 |
| Snaggers | 10 | Anchors | 3 |
| Creels | 7 | Metal fish boxes | 6 |
| Sleeping bags | 1 | Landing nets | 4 |
| Tents | 1 | Ferrets | 6 |
| Minnow pails and traps | 9 | Dogs | 1 |
| Duck decoys | 2 | Sleds | 1 |
| | | | 138 |

PROSECUTIONS

TABLE NO. 24

| | CONVICTIONS | DISMISSALS | WITHDRAWALS | TOTAL |
|-----------------------------|-------------|------------|-------------|-------|
| Conservation Officers | 2,710 | 116 | 86 | 2,912 |
| Provincial Police | 18 | — | — | 18 |
| | 2,728 | 116 | 86 | 2,930 |

TABLE NO. 25

DETAILS OF CONVICTIONS FOR FISCAL YEAR ENDING MARCH 31, 1950

| | | | |
|---|-----|--|-----|
| Angling without non-resident licences | 178 | Setting nets in restricted areas | 2 |
| Exporting over limit, or undersized fish, or without coupons | 69 | Taking fish by use of artificial lights | 39 |
| Angling with more than one line | 34 | Angling in restricted waters | 33 |
| Fishing other than by angling | 154 | Guiding without licence and violation of condition of guide's licence | 16 |
| Illegal possession of gill nets | 55 | Hunting without licence | 625 |
| Taking undersized or over limit of fish | 196 | Hunting in closed season | 107 |
| Illegal possession of fish in closed season.... | 157 | Hunting in prohibited hours | 147 |

Continued on Next Page

| | | | |
|--|-----|--|-------|
| Hunting deer without licensed guides in Kenora and Rainy River Districts | 39 | Allow dogs to run at large | 13 |
| Hunting with unplugged shotguns | 68 | Hunting with unlicensed dogs | 10 |
| Hunting ducks from a power boat | 3 | Hunting pheasants and migratory birds with rifles | 12 |
| Jacklighting deer | 26 | Obstructing an officer | 15 |
| Illegal possession of game in closed season | 112 | Taking hen pheasants | 1 |
| Commercial fishing without licences | 32 | Killing wild native birds | 3 |
| Filleting fish for export | 1 | Trapping without licence | 52 |
| Allow fish or game to spoil | 10 | Illegal possession of furs | 48 |
| Importing live minnows | 3 | Trapping during closed season | 13 |
| Illegal possession of female deer or fawns | 12 | Set traps in muskrat and beaver houses | 3 |
| Trespassing | 2 | Trap in Game Preserves and Provincial Parks | 2 |
| Killing moose or elk in closed season | 11 | Molesting ducks | 5 |
| Antedating licences | 4 | Killing swimming deer | 1 |
| Transporting unsealed deer | 24 | Operating Tourist Outfitters' Camps without licences | 5 |
| Setting snares illegally | 1 | Violation of fur buyers' licences | 6 |
| Transferring hunting or fishing licences | 8 | Breaking beaver dams | 1 |
| Loaded firearms in motor vehicles | 138 | Setting nets without tags or buoys | 2 |
| Illegal possession of firearms in Crown Game Preserves or Provincial Parks | 73 | Shooting fur bearing animals | 6 |
| Illegal possession of firearms in lumber and mining camps, etc. | 106 | Violating terms of licence | 6 |
| Firearms not encased or dismantled at night | 16 | Selling game fish | 1 |
| Shooting across highways or from motor cars | 14 | Using ferrets for hunting rabbits | 7 |
| | | Using poison bait | 1 |
| | | | 2,728 |

Charges were laid in a total of 2,930 cases for infractions of the legislation and regulations. In 2,728 cases convictions were registered. Charges were dismissed in 116 cases. Charges were withdrawn in 86 cases for various reasons, such as where two or more charges were originally laid against an individual or for lack of evidence when investigation completed.

GENERAL

The Game and Fisheries Act provides that articles "used in violation of this Act and found in the possession of any person suspected of having committed an offence against this Act shall be seized, and upon conviction, be forfeited to and become the property of the Crown in the right of Ontario and sold by the Department."

In cases of violations of a minor nature the persons from whom seizures were made are given the opportunity, on application, to redeem the articles seized upon payment of a fee fixed by the Department. This arrangement applies principally to firearms and fishing tackle. The amount realized from such sales amounted to \$7,899.70.

In cases which are sufficiently serious to warrant confiscation to the Crown, such articles are disposed of in annual public sales.

Three such sales were conducted by the Department during the period under review, as follows:

| | |
|--|------------|
| April fishing tackle sale | \$1,072.82 |
| April fur sale, confiscated furs | 4,554.73 |
| September sale of firearms and miscellaneous equipment | 4,123.11 |
| TOTAL | \$9,750.66 |

Fines collected during the fiscal year amounted to \$46,442.41.

Conservation officers assisted in distribution of fish and pheasants. They also devoted considerable time, working with organized groups in the interest of conservation.

Division of Forest Protection



DIVISION OF FOREST PROTECTION

FIRE AND HAZARD CONDITIONS

A study of fire statistics shows that the months of May, June and August were the most hazardous periods. Early Spring fires during May represent almost half the total number for the entire season and by far the greatest percentage of the acreage burned over resulted from fires which occurred during that period.

Smokers, Campers, Settlers and Railways were the four main fire causes although the largest burned-over area resulted from Industrial clearing fires getting out of control especially on power line development. Only 9 of the 985 fires which occurred reached an area larger than 500 acres. The greater number were extinguished while comparatively small.

Apart from the 1939 fire season Ontario's fire losses were less in 1950 than at any time since 1930.

The area under Protection in 1950 was 173,000 square miles.

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FIRE CONTROL PLANNING

District fire protection plans were further developed and brought up to date. A total of six hundred men working in forested areas were given brief courses of instruction in fire prevention and suppression. Several new developments in forest protection methods and techniques were applied, chiefly on an experimental basis.

- 1. The use of helicopters in fire fighting and experimentation on pumping water direct from an air borne helicopter on a fire.
- 2. Trials were conducted with a fire-line-building plow designed for such use by the Michigan State Forest Service.

3. Experiments and actual application of aerial water bombing of fires from low-flying Beaver aircraft were carried out.
4. Fire report form was revised to improve recorded data.
5. Spark arrestors were tried out on Railway-van stove pipes to help reduce number of fires caused by Railway operation.
6. A pilot model 200 gallon tank-pumper mounted on 4 wheel drive vehicle suited to fire fighting requirements was constructed and placed in service.
7. Polaroid type cameras were supplied aircraft for purpose of obtaining immediate photographic record of forest fires for control purposes.
8. Preliminary plans were made with Dominion Meteorological Service for inter-departmental exchange of weather data for forecast purposes.
9. Adaption and building of aluminum sheeted lookout tower cabins which will provide additional years of service on lookout towers.
10. Erection of 35 eighty foot and 15 one hundred foot steel lookout towers.
11. A small pack tractor which can be quickly dissembled for air transport has been developed by the Research Division of this Department. This new unit shows promise of becoming a useful piece of mechanical equipment for transporting equipment and provisions to and from fires and in other work where bush packing is necessary.

Firefighting equipment must be checked and kept in good repair at all times.



FOREST INSECT AND DISEASE CONTROL

The Department of Lands and Forests again co-operated with the Dominion Department of Agriculture in the study and control of forest insects and tree diseases.

RADIO COMMUNICATIONS

During the year 1950, the Department's radio communication system handled a total of 34,758 messages comprising a total word count of 908,803.

TABLE No. 1

Radio equipment in use during 1950:

| | | | |
|---------------------------------------|-----|--------------------------------------|-----|
| Tower Sets | 179 | 150 Watt Ground Radio Stations..... | 7 |
| Marine Installations | 7 | 300 Watt Ground Radio Stations. | 6 |
| Portable Ground Sets (2½ Watts) | 84 | 500 Watt Ground Radio Stations.. .. | 4 |
| 30 Watt Ground Radio Stations | 65 | Aircraft Installations | 43 |
| 75 Watt Ground Radio Stations..... | 2 | TOTAL | 397 |

TABLE No. 2

MEANS OF FIRE DETECTION—1950

| | TOWERS | RANGERS | PUBLIC | AIRCRAFT | TOTAL FIRES |
|-------------------|--------|---------|--------|----------|-------------|
| 1950 Totals | 352 | 93 | 423 | 117 | 985 |
| 1949 Totals..... | 630 | 168 | 699 | 337 | 1,834 |
| 1948 Totals..... | 575 | 241 | 809 | 411 | 2,036 |

Firefighting is a long, hard, tiresome task.



TABLE No. 3
CLASSIFICATION OF FOREST FIRES
By MONTH—1950

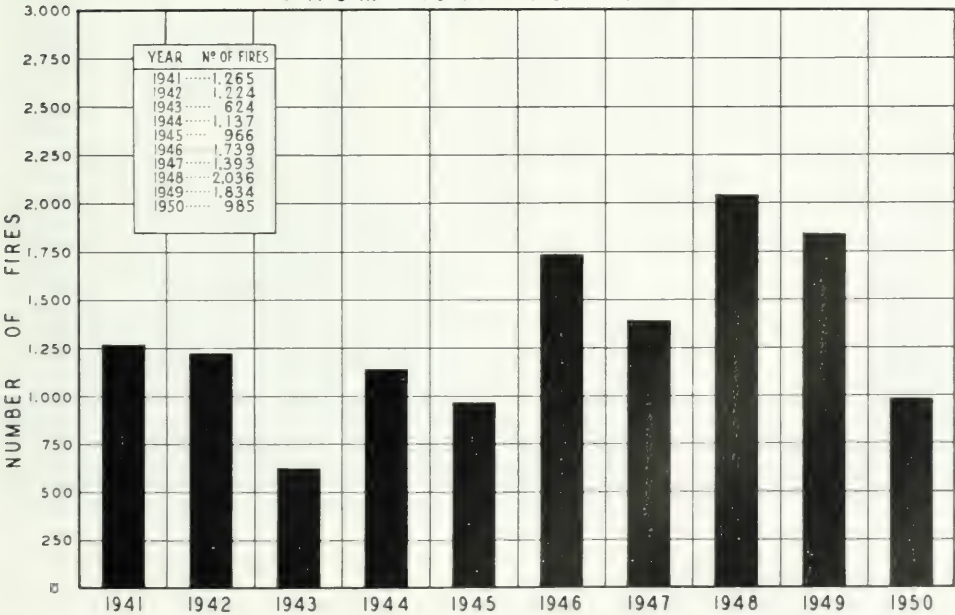
| MONTH | 1950 NO. | 1949 NO. | 1948 NO. | 1947 NO. | 1946 NO. | 1945 NO. | 1944 NO. |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| March..... | — | 1 | 1 | — | 43 | 15 | — |
| April..... | 17 | 181 | 119 | 11 | 140 | 134 | 128 |
| May..... | 457 | 286 | 473 | 135 | 248 | 182 | 352 |
| June..... | 105 | 258 | 437 | 170 | 298 | 121 | 112 |
| July..... | 91 | 314 | 288 | 202 | 404 | 160 | 253 |
| August..... | 171 | 664 | 146 | 466 | 404 | 318 | 233 |
| September..... | 91 | 46 | 370 | 125 | 117 | 26 | 16 |
| October..... | 50 | 77 | 197 | 260 | 83 | 9 | 37 |
| November..... | 3 | 7 | 5 | 24 | 2 | 1 | 6 |
| TOTALS..... | 985 | 1,834 | 2,036 | 1,393 | 1,739 | 966 | 1,137 |

TABLE No. 4
CLASSIFICATION OF FOREST FIRES
By SIZE—1950

| SIZE | 1950 NO. | 1949 NO. | 1948 NO. | 1947 NO. | 1946 NO. | 1945 NO. | 1944 NO. |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| ¼ acre and under..... | 260 | 574 | 571 | 412 | 490 | 211 | 241 |
| Over ¼ to 5 acres..... | 426 | 811 | 894 | 626 | 784 | 457 | 510 |
| Over 5 to 10 acres..... | 92 | 122 | 155 | 97 | 129 | 75 | 93 |
| Over 10 to 100 acres..... | 155 | 242 | 285 | 177 | 233 | 159 | 211 |
| Over 100 to 500 acres..... | 43 | 61 | 74 | 50 | 78 | 43 | 47 |
| Over 500 to 1,000 acres..... | 3 | 16 | 24 | 12 | 13 | 11 | 7 |
| Over 1,000 to 10,000 acres..... | 6 | 7 | 24 | 19 | 12 | 10 | 17 |
| Over 10,000 acres..... | — | 1 | 9 | — | — | — | 2 |
| TOTALS..... | 985 | 1,834 | 2,036 | 1,393 | 1,739 | 966 | 1,137 |

FIGURE No. 1

FOREST FIRES IN ONTARIO
FROM 1941 TO 1950





An ever-faithful guard assisting in the spotting of fires.

TABLE No. 5
CLASSIFICATION OF FOREST FIRES
By ORIGIN—1950

| ORIGIN | 1950 NO. | 1949 NO. | 1948 NO. | 1947 NO. | 1946 NO. | 1945 NO. | 1944 NO. |
|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Settlers..... | 107 | 152 | 147 | 75 | 80 | 44 | 96 |
| Campers..... | 256 | 451 | 432 | 298 | 481 | 289 | 247 |
| Railways..... | 99 | 138 | 333 | 180 | 249 | 163 | 218 |
| Lightning..... | 93 | 468 | 433 | 410 | 303 | 121 | 185 |
| Logging Operations..... | 29 | 52 | 52 | 56 | 68 | 32 | 37 |
| Mining Operations..... | 3 | 6 | 6 | 6 | 11 | 3 | 1 |
| Smokers..... | 258 | 340 | 461 | 248 | 383 | 231 | 243 |
| Road Construction..... | 47 | 85 | 46 | 30 | 21 | 4 | 4 |
| Incendiary..... | 16 | 32 | 35 | 15 | 31 | 8 | 23 |
| Prospectors..... | 1 | 6 | 2 | 2 | 2 | 3 | 2 |
| Miscellaneous..... | 68 | 94 | 80 | 31 | 68 | 36 | 55 |
| Unknown..... | 8 | 10 | 9 | 42 | 42 | 32 | 26 |
| TOTALS..... | 985 | 1,834 | 2,036 | 1,393 | 1,739 | 966 | 1,137 |

TABLE No. 6
CLASSIFICATION OF AREA BURNED OVER
By MONTH—1950

| MONTH | 1950 ACRES | 1949 ACRES | 1948 ACRES | 1947 ACRES |
|----------------|---------------|---------------|---------------|---------------|
| March..... | — | — | 8 | — |
| April..... | 150 | 11,622 | 1,990 | 57 |
| May..... | 34,537 | 4,316 | 801,612 | 2,712 |
| June..... | 589 | 6,665 | 185,706 | 26,768 |
| July..... | 283 | 6,134 | 3,968 | 4,802 |
| August..... | 452 | 30,011 | 1,250 | 17,360 |
| September..... | 426 | 809 | 5,286 | 2,248 |
| October..... | 340 | 500 | 17,506 | 29,355 |
| November..... | 3 | 8 | 63 | 730 |
| TOTALS..... | 36,780 | 60,065 | 1,017,389 | 84,032 |

TABLE No. 7
CLASSIFICATION OF AREA BURNED OVER
By ORIGIN—1950

| CLASSIFICATION | 1950 ACRES | 1949 ACRES | 1948 ACRES | 1947 ACRES |
|-------------------------|---------------|---------------|---------------|---------------|
| Settlers..... | 3,083 | 6,762 | 18,613 | 3,449 |
| Campers..... | 11,261 | 14,147 | 393,696 | 3,091 |
| Railways..... | 715 | 2,022 | 8,129 | 12,606 |
| Lightning..... | 383 | 19,037 | 139,822 | 20,353 |
| Logging Operations..... | 2,817 | 3,033 | 35,903 | 14,921 |
| Mining Operations..... | 120 | 42 | 26,015 | 385 |
| Smokers..... | 4,178 | 5,177 | 23,318 | 24,515 |
| Road Construction..... | 12,250 | 3,607 | 365,355 | 1,379 |
| Incendiary..... | 492 | 3,420 | 1,446 | 577 |
| Prospectors..... | 10 | 191 | 3 | 16 |
| Miscellaneous..... | 1,426 | 1,321 | 3,146 | 2,244 |
| Unknown..... | 45 | 1,306 | 1,943 | 496 |
| TOTALS..... | 36,780 | 60,065 | 1,017,389 | 84,032 |

TABLE No. 8
CLASSIFICATION OF FOREST AREA BURNED OVER—1950

| BY FOREST TYPE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| TOTALS (YEAR) | NO. OF FIRES | MATURE GROWTH | | | | YOUNG GROWTH | | | | REPRODUCTION UNDER 3.5" DBH | | | | LOGGING | | | | NON- FORESTED LAND | TOTAL ACRES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | CONT- FEROUS WOOD | | HARD- MIXED WOOD | | CONT- FEROUS WOOD | | HARD- MIXED WOOD | | BLOW DOWN | | INSECT KILLED | | CLEAR CUT | | BURN DUCCING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 783 | 350 | 541 | 2,041 | 2,431 | 6,304 | 495 | 3,540 | 1,969 | 86 | 5 | 1,129 | 9,321 | 8 | | 7,777 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1950 | 985 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

TABLE No. 9
STATEMENT OF WORK PERMITS ISSUED 1950-51

| | MINING OPERATIONS | | | WOODS OPERATIONS | | | MISCELLANEOUS OPERATIONS | | | TOTALS | | |
|-----------|----------------------|----------------|-------------------|---------------------|----------------|-------------------|-----------------------------|----------------|-------------------|----------------|-------------------|----------------|
| | NO. OF PERMITS | MEN ENGAGED | NO. OF PERMITS | NO. OF PERMITS | MEN ENGAGED | NO. OF PERMITS | NO. OF PERMITS | MEN ENGAGED | NO. OF PERMITS | MEN ENGAGED | NO. OF PERMITS | MEN ENGAGED |
| | | | | | | | | | | | | |
| 1950-1951 | 736 | 3,736 | 2,700 | 48,754 | 227 | 5,091 | 3,753 | 57,581 | | | | |
| 1949-1950 | 696 | 2,984 | 2,220 | 33,266 | 252 | 11,215 | 3,168 | 47,465 | | | | |
| 1948-1949 | 738 | 3,525 | 2,024 | 41,649 | 268 | 6,562 | 3,030 | 51,736 | | | | |
| 1947-1948 | 1,156 | 6,506 | 2,083 | 48,059 | 252 | 6,575 | 3,491 | 61,140 | | | | |
| 1946-1947 | 1,532 | 8,737 | 1,871 | 54,217 | 93 | 4,392 | 3,496 | 67,346 | | | | |
| 1945-1946 | 1,209 | 6,611 | 1,520 | 39,496 | 70 | 1,173 | 2,799 | 47,280 | | | | |
| 1944-1945 | 1,047 | 4,702 | 915 | 29,047 | 211 | 1,178 | 2,173 | 34,927 | | | | |
| 1943-1944 | 750 | 3,507 | 990 | 29,292 | 532 | 1,641 | 2,272 | 34,440 | | | | |

FIGURE No. 2

ACREAGE BURNED BY FOREST FIRES
IN ONTARIO
FROM 1941 TO 1950

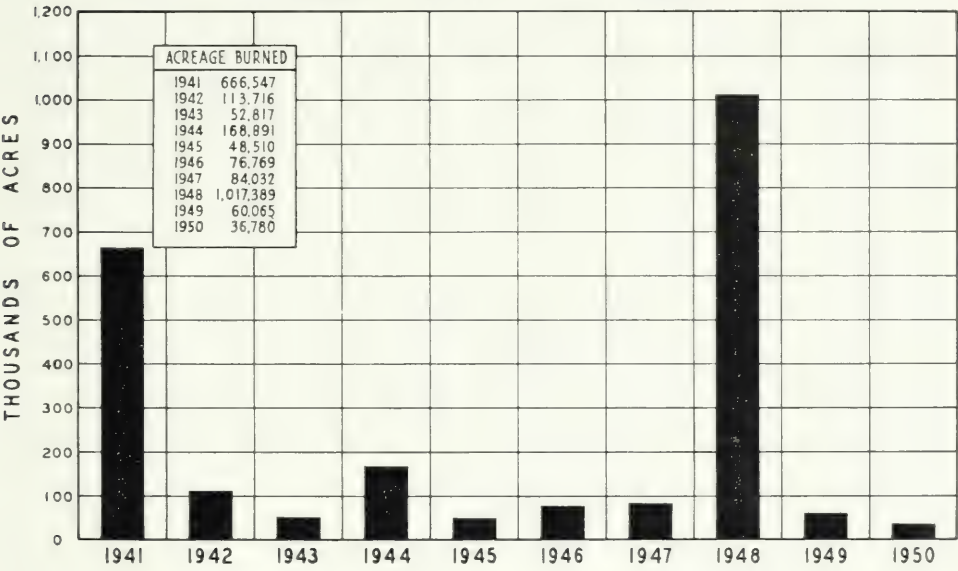


TABLE No. 10
STATEMENT OF FIRE PERMITS ISSUED—1950
NUMBER OF PERMITS

| 1950 | 1949 | 1948 | 1947 | 1946 | 1945 | 1944 |
|-------|--------|-------|-------|-------|-------|-------|
| 9,357 | 11,546 | 9,237 | 7,925 | 8,940 | 5,764 | 5,106 |

TABLE No. 11
STATEMENT OF TRAVEL PERMITS ISSUED—1950

| | 1950 | 1949 | 1948 | 1947 | 1946 | 1945 | 1944 |
|---------|---------|---------|---------|---------|---------|--------|--------|
| Permits | 86,975 | 90,206 | 61,384 | 51,187 | 35,794 | 20,393 | 13,510 |
| Persons | 323,870 | 256,320 | 194,617 | 146,185 | 112,191 | 70,085 | 41,569 |

TABLE No. 12
CLASSIFICATION OF LAND BURNED OVER
BY OWNERSHIP—1950

| CLASSIFICATION | 1950 | 1949 | 1948 |
|---------------------|--------|--------|-----------|
| Crown Land—Acres | 13,203 | 40,593 | 854,778 |
| Private Lands—Acres | 23,577 | 19,472 | 162,611 |
| Number of Fires | 985 | 1,834 | 2,036 |
| Total Area in Acres | 36,780 | 60,065 | 1,017,389 |

TABLE No. 13
FIRE DAMAGE TABLE—1950
(Losses of standing timber calculated on value of Crown Durs only)

| DISTRICTS | CROWN TIMBER DAMAGE | | PROTECTION CHARGES | | PRIVATE TIMBER DAMAGE | | PROTECTION CHARGES | | TOTAL TIMBER DAMAGE | | PROTECTION CHARGES | | TOTAL DAMAGE | | PRIVATE PROPERTY DAMAGE | |
|--------------------|---------------------|------------------|--------------------|------------------|-----------------------|------------|--------------------|------------------|---------------------|-----------|--------------------|--------|--------------------|-----------------|-------------------------|------------|
| | CU. FT. | \$ | \$ | CU. FT. | \$ | CU. FT. | \$ | CU. FT. | CU. FT. | \$ | \$ | \$ | \$ | \$ | \$ | \$ |
| Sioux Lookout | 19,160 | 191.60 | 131.31 | 1,008 | 46.08 | | 12.90 | 23,768 | 237.68 | | 141.21 | | 381.89 | | | |
| Kenora | 27,638 | 276.38 | 239.48 | 3,000 | 59.00 | | 43.20 | 32,638 | 326.38 | | 282.68 | | 612.06 | | | |
| Fort Frances | 1,170 | 11.70 | 1.50 | | | | | 1,170 | 11.70 | | 1.50 | | 13.20 | | | |
| Port Arthur | 66,161 | 661.61 | 155.56 | 90,000 | 900.00 | | 787.47 | 156,161 | 1,561.61 | | 943.03 | | 2,507.67 | | 5,020.00 | |
| Geraldton | 4,800 | 46.00 | 23.40 | 20 | .20 | | | 4,820 | 46.20 | | 26.40 | | 72.60 | | | |
| Kapuskasing | 10,962 | 109.62 | 102.50 | 10,963 | 109.63 | | 99.63 | 21,925 | 219.25 | | 202.13 | | 421.38 | | 4,268.35 | |
| Cochrane | | | | 21,250 | 212.50 | | 153.00 | 21,250 | 212.50 | | 153.00 | | 365.50 | | 2,023.25 | |
| White River | 210 | 2.10 | 9.93 | 9,265 | 92.65 | | 4,214.93 | 9,475 | 94.75 | | 9.93 | | 104.68 | | | |
| Teniskaming | 294,080 | 2,946.80 | 1,158.75 | 1,488,971 | 14,889.71 | | 48.76 | 1,783,051 | 17,836.51 | | 5,673.68 | | 23,510.19 | | 21,000.00 | |
| Sault Ste. Marie | | | 13.20 | 6,900 | 69.00 | | 15.60 | 6,900 | 69.00 | | 61.96 | | 130.96 | | | |
| Gogama | 2,525 | 25.25 | 13.85 | | | | .15 | 2,525 | 25.25 | | 26.45 | | 54.70 | | | |
| Chapleau | 400 | 4.00 | 4.05 | | | | | 400 | 4.00 | | 4.20 | | 8.20 | | | |
| Sudbury | 1,085,010 | 10,850.10 | 2,991.79 | 188,800 | 1,888.00 | | 1,555.37 | 1,273,800 | 12,739.00 | | 4,547.16 | | 17,286.16 | | 8,650.00 | |
| North Bay | 11,795 | 117.95 | 327.14 | 12,717 | 127.17 | | 166.31 | 27,512 | 275.42 | | 493.45 | | 768.87 | | | |
| Parry Sound | 430 | 4.30 | 97.64 | 11,310 | 113.10 | | 1,433.53 | 11,740 | 117.40 | | 1,531.17 | | 1,648.57 | | | |
| Algonquin | 57,016 | 570.16 | 888.47 | 3,650 | 36.50 | | 17.22 | 60,666 | 606.66 | | 905.69 | | 1,512.35 | | 5,608.49 | |
| Quinte | 31,270 | 312.70 | 184.00 | 28,465 | 284.65 | | 183.50 | 59,765 | 597.65 | | 397.50 | | 965.15 | | 57,112.40 | |
| Trent | 8,311 | 83.11 | 1,964.11 | 52,711 | 527.11 | | 2,194.09 | 61,022 | 610.22 | | 4,158.20 | | 4,768.42 | | | |
| Lake Simcoe | 400 | 4.00 | 1.45 | 825 | 8.25 | | 1.53 | 1,225 | 12.25 | | 2.98 | | 15.23 | | | |
| 1950 Totals | 1,624,441 | 16,244.41 | 8,611.13 | 1,936,505 | 19,365.05 | | 10,927.19 | 3,560,946 | 35,603.46 | | 19,538.32 | | 55,147.78 | | 103,632.49 | |
| | SAWLOGS | | PULPWOOD | | TIES | | FUELWOOD | | CEDAR POSTS | | CEDAR POLES | | PROTECTION CHARGES | | TOTAL PROPERTY DAMAGE | |
| | F.B.M. | \$ | CORDS | \$ | NO. | \$ | CORDS | \$ | NO. | \$ | NO. | \$ | MATURE TIMBER | YOUNG GROWTH | \$ | \$ |
| 1949 Totals | 1,096,900 | 5,009.71 | 19,220 | 19,816.00 | | | 32,671 | 11,159.76 | 600 | 12.00 | 41 | 10.25 | 11,457.16 | 2,667.08 | 50,131.96 | 167,313.67 |
| 1948 Totals | 532,435,810 | 1,143,646.73 | 487,751 | 479,251.86 | 7,064,972 | 706,407.20 | 894,767 | 370,291.78 | 1,001,017 | 20,029.30 | 2,440 | 613.95 | 733,186.54 | 24,071.93 | 3,477,501.29 | 509,686.75 |
| 1947 Totals | 2,464,905 | 5,147.09 | 105,935 | 108,439.46 | 1,355 | 135.50 | 22,186 | 7,262.68 | 339 | 6.78 | 510 | 127.50 | 38,437.57 | 1,050.48 | 160,607.06 | 66,244.32 |

TABLE No. 14
REPORT OF MAJOR EQUIPMENT AS OF MARCH 31, 1951

| | PORTABLE HAND PUMPS | | PORTABLE POWER PUMPS | | FIREFIGHTING HOSES IN FEET | | TENTS | | BLANKETS IN PAIRS | | CANOES | | MOTOR BOATS | | AUTO TRUCKS | | RAILWAY MOTOR CARS | | BOATS OUTBOARD | | BINOCULARS | | OUTBOARD MOTORS | | TRACTORS | |
|------------------|---------------------|--------------|----------------------|--------------|----------------------------|--------------|--------|--------------|-------------------|--------------|--------|--------------|-------------|--------------|-------------|--------------|--------------------|--------------|----------------|--------------|------------|--------------|-----------------|--------------|----------|--------------|
| | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED | IN USE | PT PURCHASED |
| Algonquin Park | 173 | | 37 | 5,000 | 95,100 | 5 | 69 | | 890 | | 79 | | 9 | | 4 | 18 | 5 | | 25 | | 1 | 18 | | 36 | | 2 |
| Chapleau | 292 | | 30 | | 72,900 | | 92 | | 510 | 4 | 60 | | | | 3 | 12 | | | 2 | 9 | 4 | 15 | | 2 | | 1 |
| Cochrane | 687 | | 3 | 8,000 | 128,900 | | 49 | | 423 | | 50 | | 5 | | 2 | 28 | 8 | | 1 | 8 | 23 | | 22 | | | |
| Erie | 25 | | 5 | | 6,000 | | | | | | | | 4 | | 3 | 15 | | | | 5 | 9 | | 4 | | 3 | |
| Fort Frances | 63 | | 2 | 7,500 | 133,900 | | 49 | | 483 | 2 | 56 | | 3 | | 4 | 13 | 1 | | 12 | 1 | 13 | | 38 | | 1 | 2 |
| Geraldton | 685 | | 3 | 9,400 | 185,200 | 10 | 161 | | 435 | | 54 | | 2 | | 1 | 19 | 4 | | 2 | 2 | 2 | | 25 | | 1 | 1 |
| Gogama | 24 | 116 | 32 | 2,000 | 76,900 | 9 | 58 | | 537 | 2 | 58 | | 3 | | | 9 | 5 | | 7 | 7 | 15 | | 3 | | 1 | 1 |
| Huron | 51 | | 4 | | 9,300 | | 4 | | | | 2 | | | | 4 | 19 | | | 2 | 2 | 2 | | 11 | | 2 | 4 |
| Kapuskasing | 12 | 506 | 6 | 7,000 | 77,800 | | 65 | | 545 | 4 | 53 | | | | 4 | 16 | 1 | | 9 | | 3 | | 13 | | | |
| Kenora | 36 | 248 | 7 | 22,000 | 214,100 | 2 | 105 | | 927 | 1 | 77 | | 10 | | 6 | 18 | | | 1 | | 6 | | 25 | | 3 | |
| North Bay | 24 | 144 | 42 | 45,000 | 109,300 | | 115 | | 682 | | 59 | | | | 2 | 25 | | | 5 | 19 | 6 | | 33 | | 3 | 1 |
| Parry Sound | 228 | | 31 | 3,000 | 80,700 | | 60 | | 446 | 2 | 50 | | 7 | | 5 | 28 | | | 4 | 25 | 5 | | 29 | | 3 | |
| Port Arthur | 24 | 381 | 6 | 89 | 203,950 | | 123 | | 1,086 | | 56 | | 2 | | 5 | 29 | 1 | | 1 | 13 | 3 | | 22 | | 37 | 1 |
| Quinte | 30 | 189 | 2 | 14 | 24,150 | | 14 | | 248 | | 18 | | 1 | | 7 | 17 | | | 2 | 31 | 3 | | 16 | | 28 | |
| Rideau | 6 | 56 | | 6 | 8,750 | | 1 | | | | 1 | | | | 1 | 14 | | | 4 | 10 | | 8 | | 2 | 12 | 5 |
| Sault Ste. Marie | 350 | | 48 | 2,500 | 111,650 | 10 | 89 | | 882 | 1 | 48 | | 1 | | 3 | 23 | 2 | | 12 | 12 | | 20 | | 3 | 24 | 1 |
| Simcoe | 99 | | 6 | | 13,720 | | 13 | | 102 | 1 | 10 | | | | 5 | 30 | | | 4 | 7 | | 10 | | 7 | 12 | 9 |
| St. James | 368 | | 7 | 108 | 15,500 | | 136 | | 1,165 | | 97 | | 2 | | 4 | 17 | | | 3 | 1 | | 1 | | 29 | | 1 |
| St. John's | 146 | | 3 | 50 | 98,150 | | 129 | | 584 | 2 | 79 | | 5 | | 5 | 28 | 2 | | 1 | 16 | | 2 | | 24 | | 1 |
| Sudbury | 105 | 335 | 2 | 41 | 83,300 | 12 | 57 | | 550 | | 44 | | | | 3 | 21 | | | 3 | 7 | | 2 | | 24 | | 1 |
| Temiskaming | 137 | | 1 | 17 | 2,000 | | 34 | | 339 | | 22 | | | | 6 | 29 | | | 3 | 25 | | 2 | | 16 | 3 | 5 |
| Trent | 137 | | 1 | 17 | 2,000 | | 34 | | 339 | | 22 | | | | 6 | 29 | | | 3 | 25 | | 2 | | 16 | 3 | 5 |
| White River | 62 | 180 | 4 | 35 | 7,500 | | 85 | | 413 | 8 | 50 | | | | 5 | 7 | 2 | | 2 | 1 | | 3 | | 14 | 5 | 1 |
| Central Region | 514 | | 34 | | 76,900 | | 29 | | 241 | | 7 | | 1 | | | | | | 1 | | | 1 | | 1 | | 1 |
| Mid West. Reg. | 37 | | 6 | 2,000 | 24,000 | 2 | 6 | | 150 | | | | | | | 2 | | | | | | 3 | | | | 2 |
| Northern Region | 97 | | 2 | | 23,300 | | | | 70 | | | | | | | | | | | | | | | | | 1 |
| Western Region | 89 | | 14 | | 3,000 | | 6 | | 250 | | | | | | | | | | | | | | | | | 1 |
| Ranger School | 38 | | 8 | 1,500 | 13,100 | 3 | 6 | | 436 | | 19 | | | | | 2 | | | 9 | 20 | | 4 | | 7 | 26 | 1 |
| Head Office | | | 1 | 4 | | 5 | 143 | | 14 | 7 | 34 | | 1 | | 10 | 52 | | | | | | | | | | 5 |
| Totals | 403 | 6,154 | 59 | 976 | 182,900 | 75 | 1,698 | 131 | 12,408 | 34 | 1,084 | 6 | 63 | 100 | 491 | 1 | 44 | 52 | 278 | 445 | 52 | 445 | 44 | 552 | 9 | 50 |

TABLE No. 15
FIRE FIGHTING RESOURCES (OTHER THAN L. & F.) AS OF AUG. 1ST, 1950
INCLUDING RAILWAY, LOGGING AND COMMERCIAL AIRCRAFT COMPANIES, ALSO ORGANIZED MUNICIPALITIES
AND OTHER INDUSTRIAL COMPANIES OPERATING IN FORESTED AREAS

| DISTRICT | RAIL- WAY TANK CARS | MOTOR PUMPS | HOSE (FT.) | HAND PUMPS | AXES | SHOVELS | BULL- DOZERS | CAMPING EQUIPMENT | | | AIR- CRAFT | TRANSPORTATION | | | | R.M. CARS |
|------------------|------------------------------|----------------|---------------|---------------|--------|---------|-----------------|-------------------|---------|------------|---------------|----------------|---------|--------|--|--------------|
| | | | | | | | | SHELTERING | COOKERY | NO. OF MEN | | BOATS | CANOEES | TRUCKS | | |
| Sioux Lookout | 4 | 45 | 78,300 | 477 | 613 | 1,003 | 28 | 2,060 | 2,255 | | 2 | 20 | 19 | 54 | | 3 |
| Kenora | | 20 | 41,000 | 233 | 694 | 530 | 13 | 1,003 | 935 | | 10 | 7 | 13 | 43 | | |
| Fort Frances | 3 | 16 | 26,500 | 80 | 308 | 251 | 24 | 637 | 645 | | 3 | 19 | 8 | 51 | | |
| Port Arthur | | 80 | 116,800 | 1,167 | 1,151 | 1,215 | 36 | 3,360 | 3,360 | | | 9 | 5 | 43 | | |
| Geraldton | | 53 | 100,200 | 445 | 396 | 441 | 44 | | | | | | | 126 | | |
| Kapuskasing | 3 | 74 | 182,200 | 1,804 | 1,802 | 1,807 | | | | | | | | | | 13 |
| White River | | 26 | 93,800 | 346 | 730 | 641 | 15 | 1,430 | 1,630 | | | 28 | 21 | 23 | | |
| Cochrane | | 46 | 91,100 | 983 | 1,220 | 1,097 | 66 | 1,822 | 2,307 | | | 58 | | 53 | | 5 |
| Temiskaming | 1 | 34 | 28,410 | 290 | 713 | 708 | 23 | 1,960 | 2,155 | | 3 | 19 | 4 | 90 | | |
| Sault Ste. Marie | | 6 | 6,000 | 91 | 371 | 111 | 9 | 600 | 560 | | 3 | 22 | 34 | 20 | | |
| Chapleau | | 11 | 19,200 | 251 | 328 | 268 | 18 | 955 | 955 | | | | | | | |
| Gogama | 1 | 13 | 16,600 | 186 | 398 | 310 | 6 | 665 | 610 | | 1 | 10 | 16 | 32 | | |
| Sudbury | 1 | 10 | 28,800 | 387 | 662 | 536 | | 1,512 | 1,550 | | 6 | 11 | 14 | 80 | | |
| North Bay | | 53 | 42,900 | 367 | 1,123 | 949 | 33 | 2,315 | 2,315 | | 5 | 319 | 296 | 117 | | |
| Parry Sound | 4 | 53 | 54,200 | 110 | 850 | 601 | 24 | 1,054 | 957 | | 7 | 107 | 47 | 97 | | |
| Algonquin | 2 | 23 | 24,700 | 132 | 624 | 431 | 32 | 1,061 | 1,321 | | | 43 | 90 | 86 | | |
| Trent | | 22 | 14,450 | 81 | 330 | 358 | 11 | | | | | | | 49 | | |
| Quinte | | 11 | 3,300 | 14 | 254 | 183 | 11 | 396 | 396 | | | 28 | 10 | 68 | | |
| TOTALS | 10 | 605 | 968,460 | 7,444 | 12,567 | 11,440 | 303 | 20,830 | 21,951 | | 40 | 709 | 577 | 1,032 | | 21 |

TABLE No. 16
TOTAL IMPROVEMENTS COMPLETED TO MARCH 31, 1951

| | | | |
|-------------------------------------|-----|-------------------------|----------|
| Cabins | 534 | Garages and Carhouses | 106 |
| Storehouses | 134 | Other Buildings | 266 |
| Boathouses | 68 | Hose Towers | 49 |
| Combined Storehouses and Boathouses | 18 | Wooden Lookout Towers | 36 |
| Bunkhouses | 58 | Steel Lookout Towers | 271 |
| Offices | 54 | Telephone Lines (Miles) | 3,651.30 |

Division of Land and Recreational Areas



DIVISION OF LAND AND RECREATIONAL AREAS

GENERAL

During the fiscal year under review a large volume of work was concluded, as is indicated in the tables forming part of this section. The tables do not accurately reflect the amount of detail or ground work which is a necessary preliminary to actual sale, location, cancellation, patent, etc. One form of land tenure which presents a problem of considerable magnitude, because of the complex nature of the occupations, is that which involves land use by persons having no legal rights. These people, in some instances, represent a third or even a fourth generation of occupants, none of whom, because they were unfamiliar with the requirements, have ever taken steps to establish proper title. Every effort consistent with available properly trained staff is being made to explain the situation to the individuals concerned by personal contact and by correspondence, with a view to effecting alienation to private ownership or properly recording the Crown as owner, whichever is indicated in the best interests of the people and the Crown as a result of the investigations made.

Some changes in policy were made and amendments to The Public Lands Act enacted to effect improved administration and land use. These changes were made as a result of study of the effect of administrative practice obtaining previously, and evidence indicates that very material benefit has for this reason accrued to the public by their more proper occupation and use of Crown land, and also to the Department.

SUMMER RESORT LAND

The number of sales made and patents issued increased, due primarily to improved administrative procedure. The number of cancellations concluded decreased largely for the same reason.

AGRICULTURAL AND ALLIED USES

The number of dispositions of land for these purposes, by sale and free grant, was less than the previous year, due probably to lack of interest because of con-

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tinuing favourable economic conditions, making it possible for persons to secure employment in industry at incomes far in excess of that which would be possible, generally speaking, from farming in Northern Ontario. Cancellations decreased in number over the previous year as a result, particularly, of less opportunity to do inspection work because of demand on field staff to do other phases of departmental work, including fire-fighting. An increase in the number of land use permits issued is noted and is indicative of disclosure of land use (by persons previously unauthorized) as a direct result of improved follow-up and inspection methods.

VETERANS' LAND

The Ontario Dominion-Provincial Agreement (1946) made under The Veterans' Land Act (Dominion), Section 35, 6, Geo. VI, 1942, continued to operate with the full co-operation of this Department. A decrease in the number of transactions concluded over the previous period is indicated by the graph appended hereto, for two reasons primarily, namely—eligible veterans re-entering the Armed Services or securing, for the time being, more lucrative employment in private industry and the trades.

TOURIST OUTFITTERS' CAMPS

The issuance of tourist outfitters' camp permits and licences, which comes under the administration of this Division, was continued and the number issued showed a substantial increase over the previous year.

PROVINCIAL PARKS

There was no change in Provincial Parks. New regulations have, however, been drafted, and when put into effect will improve administrative procedure.

FIGURE NO. 1

AGRICULTURAL LANDS IN SALE TOWNSHIPS

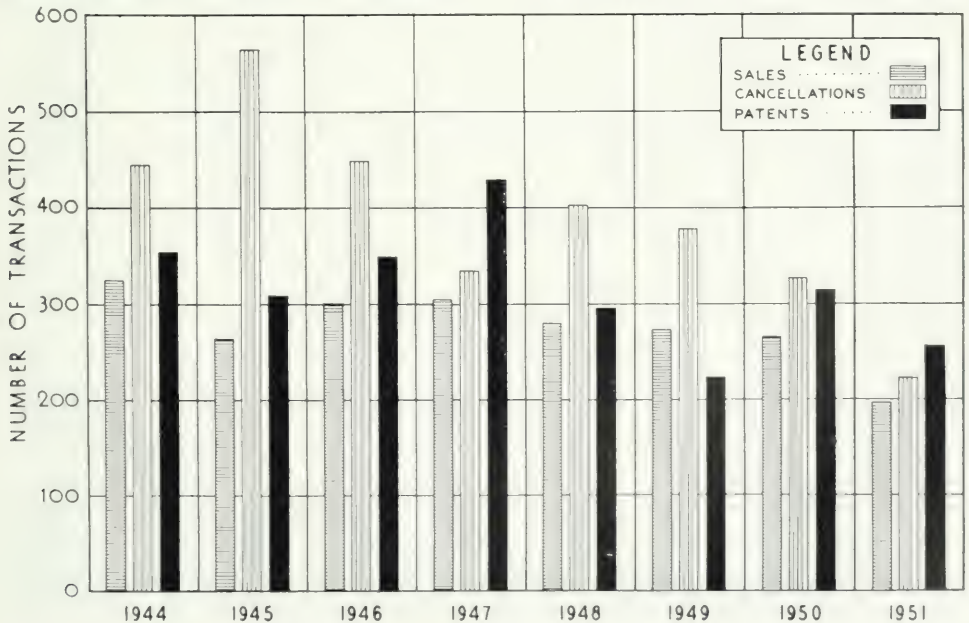
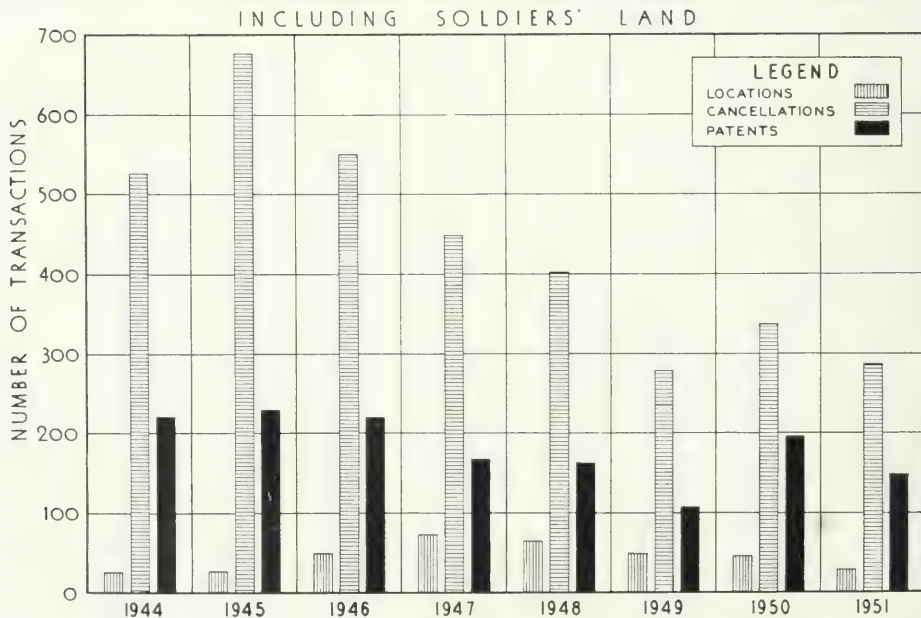


TABLE NO. 1
AGRICULTURAL LAND
THE FISCAL YEAR ENDING MARCH 31ST, 1951

| ADMINISTRATIVE DISTRICT | DISTRICT FORESTER | SALES | | CANCELLATIONS | | ASSIGNMENTS | | PATENTS | |
|---------------------------------------|----------------------|-------|------------|---------------|------------|-------------|-----------|---------|------------|
| | | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES |
| Algonquin | G. H. R. Phillips | 6 | 368.36 | 2 | 55. | 1 | 59.50 | 10 | 892.515 |
| Chapleau | J. M. Whelan | — | — | — | — | — | — | — | — |
| Cochrane | A. Crealock | 31 | 2,390.16 | 48 | 4,609.06 | 18 | 1,796.821 | 47 | 5,079.496 |
| Fort Frances | G. Delahey | 19 | 1,857.50 | 16 | 1,423.125 | 1 | 80. | 21 | 2,352. |
| Geraldton | U. W. Fiskar | — | — | — | — | — | — | — | — |
| Gogama | J. Taylor | — | — | — | — | — | — | — | — |
| Kapuskasing | G. F. Meyer | 23 | 1,790.16 | 52 | 5,023.45 | 13 | 1,205. | 34 | 3,039.24 |
| Kenora | K. Acheson | 20 | 2,309.751 | 12 | 892.70 | 1 | 123.511 | 16 | 1,751.277 |
| Lake Erie | F. S. Newman | — | — | — | — | — | — | — | — |
| Lake Huron | I. C. Marritt | — | — | — | — | — | — | — | — |
| Lake Simcoe | J. F. L. Simmons | — | — | — | — | — | — | — | — |
| North Bay | F. E. Sider | 13 | 1,533.5 | 15 | 2,238.30 | 4 | 557.50 | 24 | 3,340.59 |
| Parry Sound | R. L. Snow | 3 | 282. | 2 | 126. | 1 | 200. | 4 | 382. |
| Port Arthur | R. Boulton | 22 | 3,055.70 | 13 | 1,604.75 | 11 | 1,676.50 | 15 | 2,177.95 |
| Quinte | A. Leman | 7 | 592. | 2 | 200. | — | — | 9 | 724.5 |
| Sault Ste. Marie | Q. Hess | 2 | 230.63 | 1 | 149. | — | — | 3 | 321. |
| Sioux Lookout | H. Middleton | — | — | 3 | 290. | 3 | 186.701 | 2 | 254.5 |
| Sudbury | F. L. Hall | 26 | 2,993.53 | 13 | 1,644.55 | 4 | 361.25 | 27 | 3,207.102 |
| Swastika | F. J. Dawson | 21 | 1,656.5 | 36 | 3,275.345 | 12 | 1,427.01 | 43 | 4,495.477 |
| Trent | A. B. Wheatley | 2 | 168.5 | 2 | 280. | — | — | 1 | 87. |
| White River | R. H. Hambly | — | — | — | — | — | — | — | — |
| TOTALS | | 195 | 19,228.231 | 217 | 21,811.280 | 69 | 7,673.793 | 256 | 28,104.647 |
| Swastika, University Cancellations | | — | — | 4 | 322.75 | — | — | — | — |
| | | 195 | 19,228.231 | 221 | 22,134.030 | 69 | 7,673.793 | 256 | 28,104.647 |

FIGURE NO. 2

AGRICULTURAL LANDS IN FREE GRANT TOWNSHIPS





Swimming in the warm waters of Lake Mazinaw.

TABLE NO. 2
SUMMER RESORT LANDS — THE FISCAL YEAR ENDING MARCH 31ST, 1951

| ADMINISTRATIVE DISTRICT | DISTRICT FORESTER | SALES | | CANCELLATIONS | | ASSIGNMENTS | | PATENTS | |
|----------------------------|----------------------|-------|-----------|---------------|---------|-------------|--------|---------|-----------|
| | | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES |
| Algonquin | G. H. R. Phillips | 35 | 54.824 | 4 | 6.14 | 1 | 2.72 | 32 | 56.542 |
| Chapleau | J. M. Whelan | 7 | 8.50 | — | — | — | — | 9 | 10.54 |
| Cochrane | A. Crealock | 33 | 31.520 | 1 | 0.53 | 2 | 0.91 | 39 | 28.025 |
| Fort Frances | G. Delahey | 12 | 23.83 | 3 | 6.88 | 2 | 4.7 | 29 | 51.44 |
| Geraldton | U. W. Fiskar | 29 | 70.69 | — | — | — | — | 15 | 42.84 |
| Gogama | J. Taylor | 2 | 10.56 | 1 | 0.53 | — | — | 1 | 1.56 |
| Kapuskasing | G. F. Meyer | 13 | 22.454 | 1 | 0.60 | 2 | 1.702 | 10 | 35.997 |
| Kenora | K. Acheson | 94 | 175.08 | 14 | 19.43 | 6 | 15.57 | 129 | 269.40 |
| Lake Erie | F. S. Newman | — | — | — | — | — | — | — | — |
| Lake Huron | I. C. Marritt | — | — | — | — | — | — | — | — |
| Lake Simcoe | J. F. L. Simmons | 70 | 113.80 | 1 | 3.89 | — | — | 32 | 50.024 |
| North Bay | F. E. Sider | 110 | 242.796 | 5 | 9.35 | 6 | 8.80 | 115 | 273.142 |
| Parry Sound | R. L. Snow | 257 | 538.484 | 8 | 14.91 | 9 | 19.154 | 171 | 373.517 |
| Port Arthur | R. Boulton | 41 | 97.68 | 3 | 6.82 | 1 | 1.49 | 54 | 115.406 |
| Quinte | A. Lemay | 121 | 189.849 | 6 | 12.148 | 6 | 8.56 | 66 | 109.640 |
| Sault Ste. Marie | Q. Hess | 66 | 139.39 | 3 | 2.96 | 3 | 4.91 | 55 | 117.574 |
| Sioux Lookout | H. Middleton | 23 | 68.71 | — | — | 2 | 4.01 | 38 | 114.376 |
| Sudbury | F. L. Hall | 132 | 260.606 | 11 | 25.080 | 5 | 15.72 | 143 | 308.600 |
| Swastika | F. J. Dawson | 19 | 20.076 | — | — | — | — | 9 | 12.876 |
| Trent | A. B. Wheatley | 291 | 403.702 | 1 | 3.40 | 3 | 2.98 | 171 | 309.302 |
| White River | R. H. Hambly | 5 | 12.30 | — | — | 2 | 2.80 | 7 | 13.88 |
| TOTALS | | 1,360 | 2,484.851 | 62 | 112.668 | 50 | 94.026 | 1,125 | 2,294.681 |

FIGURE NO. 3

LAND USE PERMITS, LEASES, AND LICENCES OF OCCUPATION ISSUED

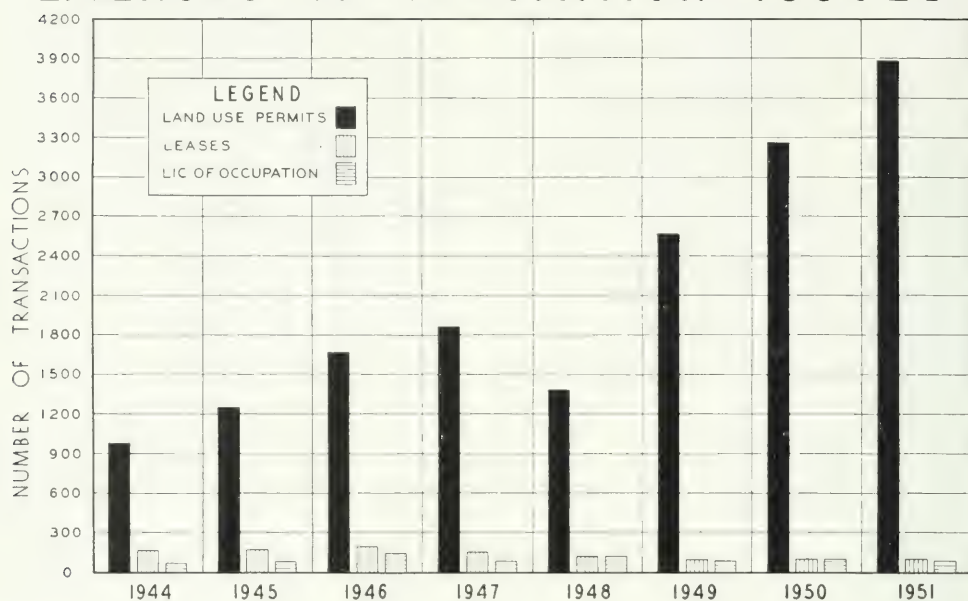


TABLE NO. 3
FREE GRANT LAND (INCLUDING SOLDIERS')
THE FISCAL YEAR ENDING MARCH 31ST, 1951

| ADMINISTRATIVE DISTRICT | DISTRICT FORESTER | LOCATIONS | | CANCELLATIONS | | ASSIGNMENTS | | PATENTS | |
|----------------------------|----------------------|-----------|----------|---------------|-----------|-------------|-----------|---------|------------|
| | | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES |
| Algonquin | G. H. R. Phillips | 2 | 200.00 | 12 | 1,129.03 | 8 | 937. | 19 | 2,397.96 |
| Chapleau | J. M. Whelan | — | — | — | — | — | — | — | — |
| Cochrane | A. Crealock | 6 | 774. | 1 | 154.80 | 2 | 233.50 | 1 | 150. |
| Fort Frances | G. Delahey | 1 | 159.75 | 62 | 7,348.75 | 6 | 918.522 | 25 | 3,630.400 |
| Geraldton | U. W. Fiskar | — | — | — | — | — | — | — | — |
| Gogama | J. Taylor | — | — | — | — | — | — | — | — |
| Kapuskasing | G. F. Meyer | — | — | 3 | 275. | — | — | 3 | 402. |
| Kenora | K. Acheson | 2 | 285.63 | 34 | 4,356.36 | 18 | 2,667.948 | 35 | 5,329.247 |
| Lake Erie | F. S. Newman | — | — | — | — | — | — | — | — |
| Lake Huron | I. C. Marritt | — | — | — | — | — | — | — | — |
| Lake Simcoe | J. F. L. Simmons | — | — | 1 | 100.00 | — | — | 1 | 41.89 |
| North Bay | F. E. Sider | 2 | 311.50 | 51 | 6,576.75 | 1 | 151. | 15 | 1,984. |
| Parry Sound | R. L. Snow | 2 | 141.89 | 62 | 7,392. | 8 | 1,101. | 16 | 1,471. |
| Port Arthur | R. Boulton | 6 | 875.50 | 27 | 3,952.50 | 10 | 1,448.50 | 17 | 2,688.266 |
| Quinte | A. Leman | — | — | 6 | 499. | 1 | 50. | 6 | 468.50 |
| Sault Ste. Marie | Q. Hess | — | — | 1 | 100. | 1 | 80. | 1 | 76.152 |
| Sioux Lookout | H. Middleton | — | — | — | — | — | — | — | — |
| Sudbury | F. L. Hall | 2 | 237.56 | 12 | 1,740.96 | — | — | 5 | 648. |
| Swastika | F. J. Dawson | 5 | 622.50 | 5 | 566. | 1 | 160. | 3 | 239.75 |
| Trent | A. B. Wheatley | — | — | 12 | 1,180. | — | — | 3 | 299. |
| White River | R. H. Hambly | — | — | — | — | — | — | — | — |
| TOTALS | | 28 | 3,608.33 | 289 | 35,371.15 | 56 | 7,747.470 | 150 | 19,826.165 |

TABLE NO. 4
CITIES, TOWNS AND TOWNPLOTS
THE FISCAL YEAR ENDING MARCH 31ST, 1951

| ADMINISTRATIVE DISTRICT | DISTRICT FORESTER | SALES | | CANCELLATIONS | | ASSIGNMENTS | | PATENTS | |
|----------------------------|----------------------|-------|--------|---------------|-------|-------------|--------|---------|---------|
| | | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES |
| Algonquin | G. H. R. Phillips | 3 | 16.269 | — | — | — | — | 4 | 16.490 |
| Chapleau | J. M. Whelan | 3 | 2.10 | — | — | — | — | 2 | 0.85 |
| Cochrane | A. Crealock | 2 | .446 | — | — | — | — | 8 | .915 |
| Fort Frances | G. Delahey | — | — | — | — | — | — | 1 | 0.2875 |
| Geraldton | U. W. Fiskar | 8 | 2.172 | 1 | 0.34 | — | — | 12 | 3.652 |
| Gogama | J. Taylor | 14 | 5.898 | — | — | — | — | 12 | 4.878 |
| Kapuskasing | G. F. Meyer | 10 | 2.069 | 3 | 4.33 | 2 | 0.4855 | 21 | 17.557 |
| Kenora | K. Acheson | 5 | 2.144 | — | — | 1 | 0.52 | 10 | 3.520 |
| Lake Erie | F. S. Newman | — | — | — | — | — | — | 2 | 5.097 |
| Lake Huron | I. C. Marritt | — | — | — | — | — | — | 3 | 15.13 |
| Lake Simcoe | J. F. L. Simmons | 3 | 6.00 | 2 | 4.00 | — | — | 3 | 3.46 |
| North Bay | F. E. Sider | — | — | — | — | — | — | — | — |
| Parry Sound | R. L. Snow | — | — | — | — | — | — | — | — |
| Port Arthur | R. Boulton | 4 | 1.06 | — | — | — | — | 3 | 0.93 |
| Quinte | A. Leman | — | — | — | — | — | — | 1 | 2.35 |
| Sault Ste. Marie | Q. Hess | 4 | 1.582 | — | — | — | — | 3 | 1.85 |
| Sioux Lookout | H. Middleton | 10 | 7.026 | 9 | 21.38 | 5 | 0.867 | 30 | 7.104 |
| Sudbury | F. L. Hall | 12 | 2.28 | — | — | — | — | 15 | 1.78 |
| Swastika | F. J. Dawson | 7 | 7.335 | — | — | 2 | 0.342 | 8 | 7.543 |
| Trent | A. B. Wheatley | 1 | 0.50 | — | — | — | — | 1 | 0.50 |
| White River | R. H. Hambly | 1 | .115 | — | — | — | — | 4 | .441 |
| TOTALS | | 87 | 56.996 | 15 | 30.05 | 10 | 2.2145 | 143 | 94.3345 |

FIGURE NO. 4
TRANSACTIONS UNDER THE ONTARIO DOMINION-PROVINCIAL AGREEMENT
SECTION 35 OF THE VETERANS' LAND ACT

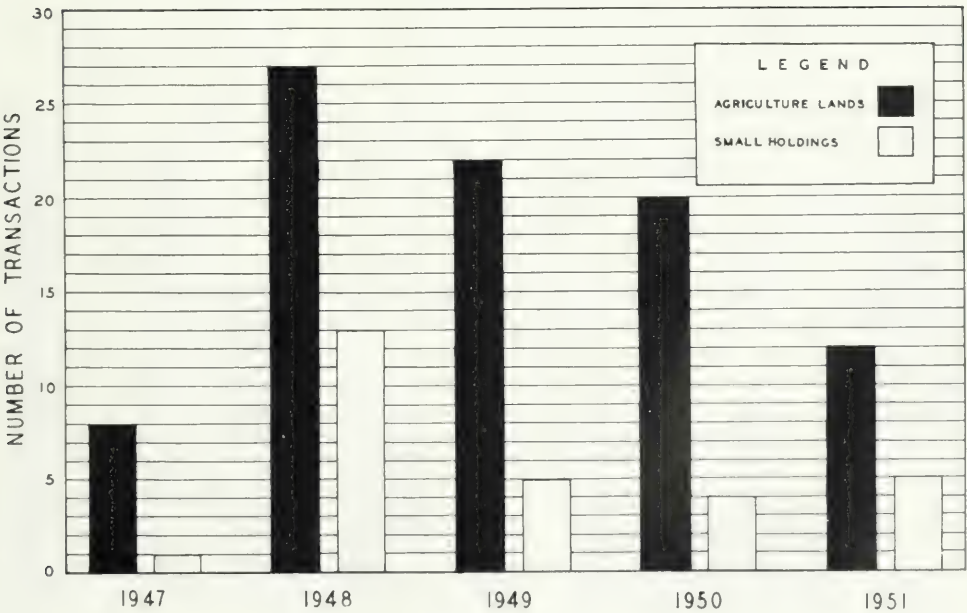


FIGURE NO. 5
LICENSED TOURIST OUTFITTERS' CAMPS

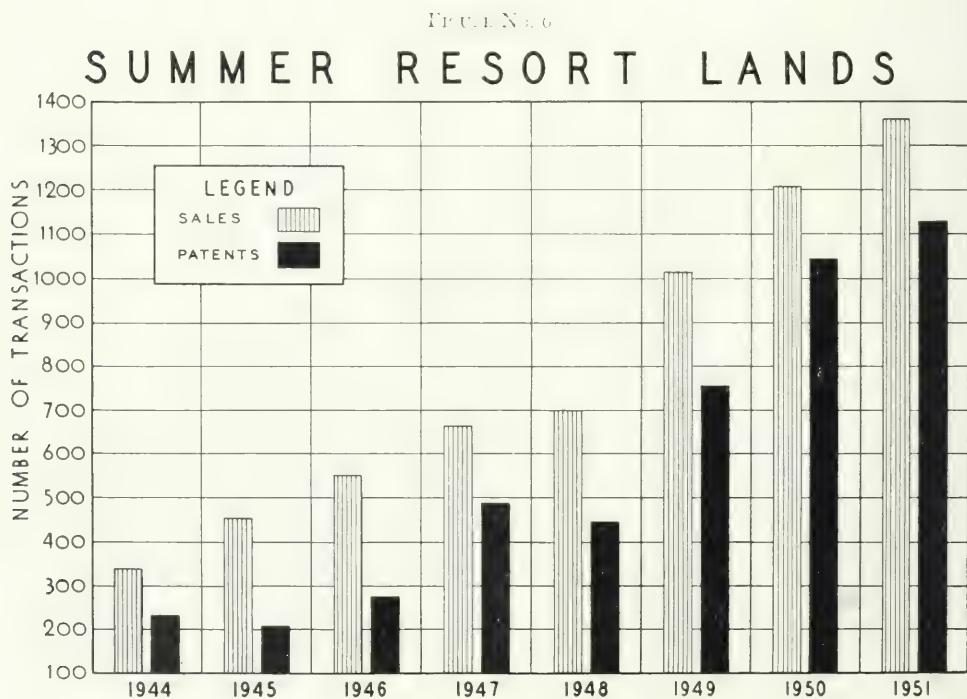
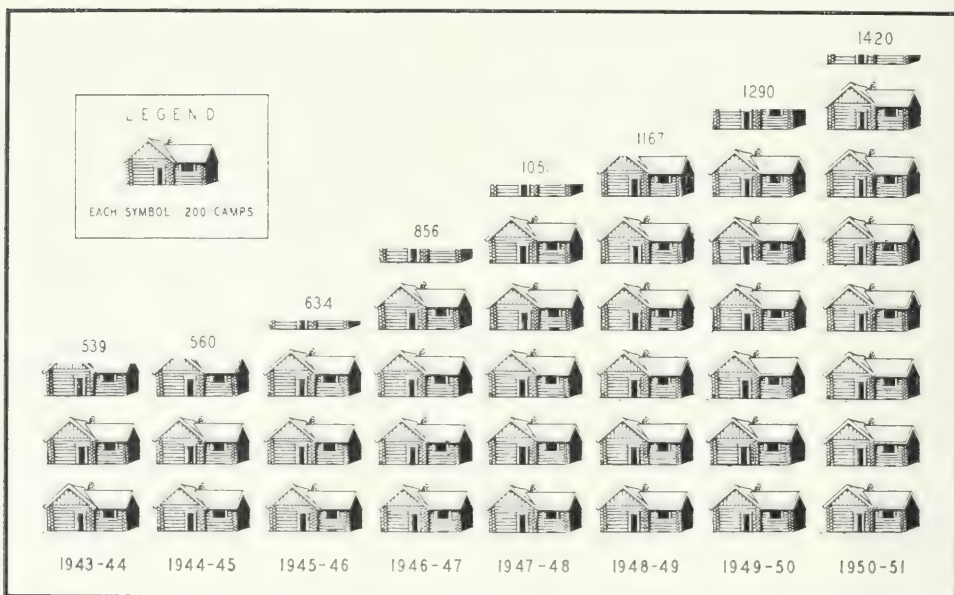


TABLE No. 5
LAND USE PERMITS ISSUED FROM APRIL 1st, 1950 TO MARCH 31st, 1951

| ADMINISTRATIVE DISTRICT | HUNT CAMP | | TRAPPERS' CAMP | | RESIDENCE | | AGRICULTURAL | | MARSH HAY | | MILL SITE | | SUGAR BUSH | | BOAT HOUSE | | ROSDRAU | | MISCELLANEOUS | | DEPARTMENTAL HOUSES | |
|-------------------------|-----------|--------|----------------|--------|-----------|---------|--------------|----------|-----------|----------|-----------|----------|------------|--------|------------|--------|---------|-------|---------------|------------|---------------------|-------|
| | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES |
| Algonquin Park | 63 | 64.50 | | | 6 | 9.500 | | | 1 | 4.50 | 9 | 97.60 | | | 13 | 7.125 | | | 81 | 213.370 | 94 | |
| Chapleau | 3 | 3.00 | | | 22 | 60.810 | | | 2 | 100.00 | 8 | 152.50 | | | | | | | 30 | 589.830 | 24 | |
| Cochrane | 7 | 6.25 | 1 | 5.000 | 25 | 73.500 | 16 | 200.50 | 11 | 97.00 | 13 | 70.00 | | | | | | | 13 | 359.630 | 24 | |
| Fort Frances | 10 | 6.60 | 3 | .750 | | | | 120.00 | | | 4 | 20.00 | | | | | | | 31 | 35.010 | 18 | |
| Geraldton | | | | | 13 | 20.250 | 3 | 1,340.00 | | | 4 | 83.00 | | | 1 | 3.000 | | | 19 | 523.210 | 82 | |
| Gogama | 4 | 3.50 | | | 27 | 122.636 | 1 | 10.00 | | | 7 | 115.00 | | | | | | | 15 | 418.350 | 67 | |
| Kapuskasing | 4 | 3.50 | | | 17 | 62.530 | 9 | 159.00 | 15 | 129.00 | 11 | 82.00 | 1 | .50 | | | | | 29 | 182.480 | 107 | |
| Kenora | 15 | 11.43 | | | 11 | 18.500 | | | 1 | 142.50 | 10 | 35.00 | | | 2 | 2.070 | 148 | 8.47 | 49 | 781.350 | 23 | |
| Lake Erie | | | | | | | | | | | | | | | | | | | | | 180 | |
| Lake Huron | | | | | | | | | | | | | | | | | | | | | 144 | |
| Lake Simcoe | | | | | 21 | 65.500 | | | | | 27 | 163.00 | 2 | 85.00 | 17 | 15.125 | | | 36 | 927.750 | 69 | |
| North Bay | 88 | 90.00 | 12 | 9.750 | 25 | 32.979 | 1 | 7.00 | 6 | 31.00 | 10 | 75.00 | 1 | 25.00 | 13 | 10.750 | | | 23 | 219.910 | 92 | |
| Parry Sound | 176 | 178.00 | 5 | 3.500 | | | | 480.00 | 2 | 25.00 | 50 | 133.77 | | | | | | | 26 | 807.500 | 61 | |
| Port Arthur | 6 | 7.00 | 2 | 4.00 | 10 | 67.170 | 1 | 30.05 | 3 | 33.00 | 9 | 37.00 | 1 | 79.00 | 1 | 1.000 | | | 15 | 396.000 | 92 | |
| Quinte | 213 | 177.68 | | | 5 | 21.200 | 5 | 92.30 | | | 6 | 32.00 | | | | | | | 23 | 28.715 | 245 | |
| Sault Ste. Marie | 28 | 29.13 | 4 | 4.00 | 9 | 36.560 | 8 | 1.00 | | | 19 | 107.00 | | | 4 | 3.035 | | | 54 | 163.074 | 74 | |
| St. Louis Lookout | 11 | 14.00 | 1 | .25 | 20 | 33.110 | 1 | 739.50 | 7 | 540.00 | 13 | 694.00 | 1 | 25.00 | 25 | 17.000 | | | 65 | 3,660.160 | 14 | |
| Sudbury | 95 | 98.00 | 4 | 10.000 | 31 | 145.000 | 18 | 2,000.00 | 8 | 104.00 | 27 | 118.00 | | | 2 | .500 | | | 59 | 363.220 | 39 | |
| Swastika | 14 | 31.05 | | | 6 | 45.750 | 2 | | | | 2 | 230.00 | | | | | | | 21 | 469.350 | 36 | |
| Trent | 58 | 67.95 | | | 6 | 16.000 | | | | | 2 | 30.00 | | | | | | | 10 | 15.720 | 24 | |
| White River | 1 | .25 | | | 7 | 17.110 | | | | | 2 | | | | | | | | | | | |
| Totals | 796 | 791.84 | 32 | 37.250 | 261 | 848.105 | 66 | 3,379.35 | 56 | 1,206.00 | 231 | 2,274.87 | 6 | 214.50 | 79 | 50.875 | 148 | 8.47 | 599 | 10,214.629 | 1,617 | |

Total Number of Permits 3,891
Total Number of Acres 19,034.889

TABLE NO. 6
LAND FOR SPECIAL USE
THE FISCAL YEAR ENDING MARCH 31ST, 1951

| ADMINISTRATIVE DISTRICT | DISTRICT FORESTER | SALES | | CANCELLATIONS | | ASSIGNMENTS | | PATENTS | |
|----------------------------|----------------------|-------|-----------|---------------|---------|-------------|--------|---------|-----------|
| | | NO. | ACRES | NO. | ACRES | NO. | ACRES | NO. | ACRES |
| Algonquin | G. H. R. Phillips | 27 | 303.809 | — | — | — | — | 22 | 237.422 |
| Chapleau | J. M. Whelan | 2 | 61.28 | — | — | — | — | 1 | 59.28 |
| Cochrane | A. Crealock | 4 | 132.30 | — | — | — | — | 4 | 54.611 |
| Fort Frances | G. Delahey | 4 | 9.03 | — | — | — | — | 4 | 6.444 |
| Geraldton | U. W. Fiskar | 5 | 866.047 | — | — | — | — | 7 | 882.377 |
| Gogama | J. Taylor | 1 | 2.75 | — | — | — | — | — | — |
| Kapuskasing | G. F. Meyer | 5 | 7.979 | — | — | — | — | 1 | 2.17 |
| Kenora | K. Acheson | 17 | 37.035 | 2 | 1.57 | 1 | 0.68 | 20 | 41.755 |
| Lake Erie | F. S. Newman | 5 | 11.350 | — | — | — | — | 5 | 11.848 |
| Lake Huron | I. C. Marritt | 2 | 120. | — | — | — | — | 6 | 287.563 |
| Lake Simcoe | J. F. L. Simmons | 1 | 100. | — | — | — | — | 3 | 216.24 |
| North Bay | F. E. Sider | 7 | 302.765 | — | — | — | — | 12 | 535.032 |
| Parry Sound | R. L. Snow | 19 | 643.616 | — | — | 1 | 100. | 21 | 689.549 |
| Port Arthur | R. Boulton | 5 | 41.456 | — | — | — | — | 12 | 184.067 |
| Quinte | A. Leman | 10 | 334.16 | — | — | — | — | 15 | 682.69 |
| Sault Ste. Marie | Q. Hess | 5 | 25.12 | 3 | 15. | — | — | 6 | 83.42 |
| Sioux Lookout | H. Middleton | 8 | 50.37 | 3 | 31.56 | — | — | 8 | 64.00 |
| Sudbury | F. L. Hall | 16 | 710.071 | 2 | 167.40 | — | — | 11 | 597.200 |
| Swastika | F. J. Dawson | 3 | 80.76 | 1 | 40.125 | — | — | 7 | 450.179 |
| Trent | A. B. Wheatley | 8 | 379.015 | — | — | — | — | 10 | 385.712 |
| White River | R. H. Hambly | 1 | 66.844 | — | — | — | — | — | — |
| TOTALS | | 155 | 4,285.757 | 11 | 255.655 | 2 | 100.68 | 175 | 5,471.559 |

Camping scene, St. Ignace Island.



FIGURE NO. 7

CITY, TOWN, AND TOWNSITE LANDS

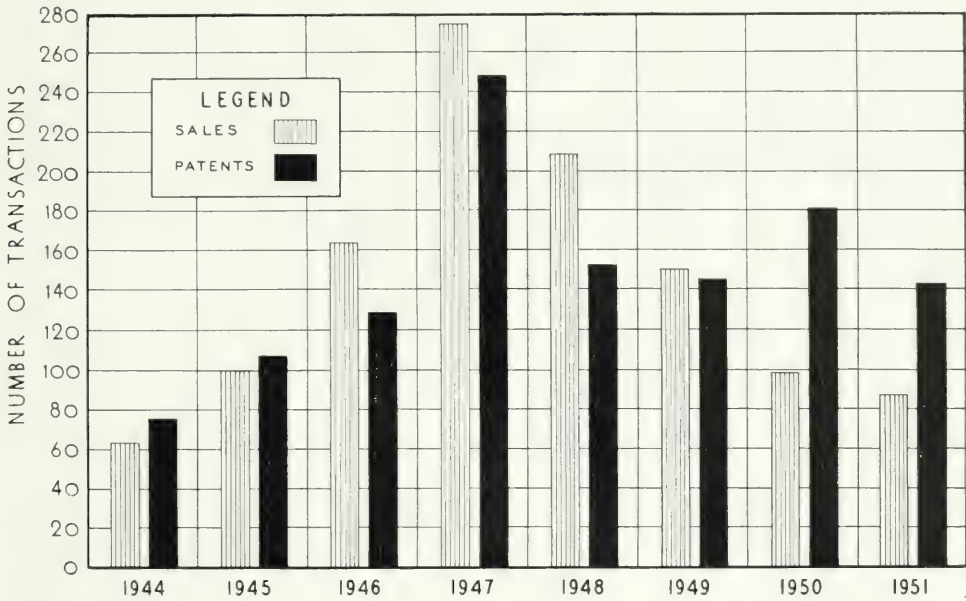
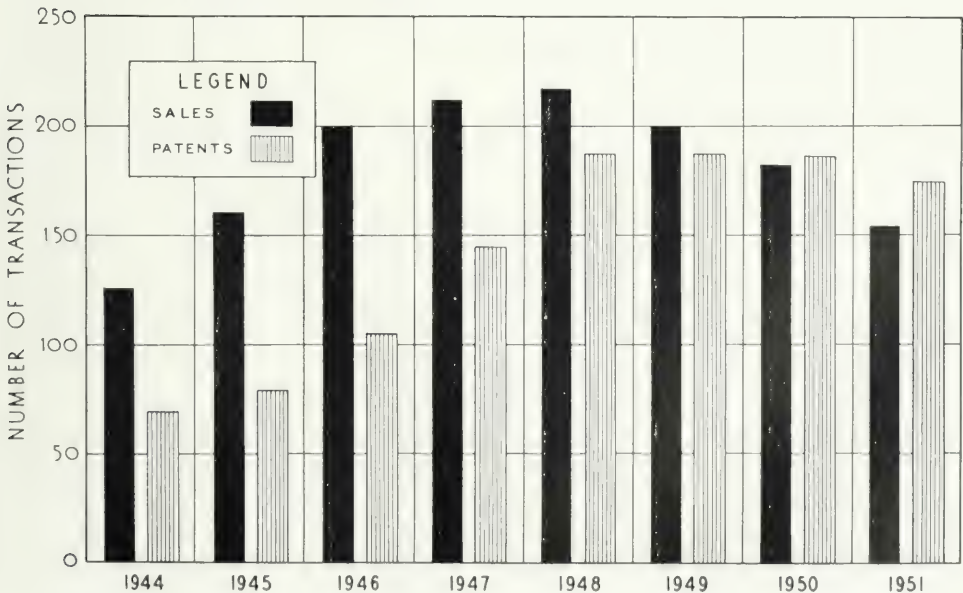


FIGURE NO. 8

LANDS FOR SPECIAL USE



PATENTS OFFICE (LANDS DIVISION)

STATEMENT OF PATENTS, ETC., ISSUED DURING THE YEAR ENDING MARCH 31, 1951

| | | | |
|---|-------|------------------------------|----|
| Public Land Patents | 1,381 | Crown Leases | 5 |
| Free Grant Patents | 150 | Algonquin Park Leases | 46 |
| Patents and Transfers (Town Lots) | 143 | Rondeau Park Leases | 35 |
| Miscellaneous Documents | 175 | Temagami Leases | 2 |
| Releases of Pine | 128 | Water Power Agreements | 3 |
| | 1,977 | | 91 |

| | |
|--|----|
| Licences of Occupation | 74 |
| Licences of Occupation (Rondeau) | — |
| Licences of Occupation (Algonquin) | 4 |
| Licences of Occupation (Temagami) | 3 |
| | 81 |

| | | | |
|--|-----|------------------------------|----|
| Licences of Occupation Cancelled | 114 | Crown Leases Cancelled | 37 |
|--|-----|------------------------------|----|

REPORT OF THE DEPARTMENTAL SOLICITOR (FORMERLY DIVISION OF LAW)

GENERAL

On January 1st, 1951, an administrative change was effected in the organization of the Department with the dissolution of the Division of Law and the creation of the office of Departmental Solicitor. This office is responsible for legal service to Head Office administrative divisions and the regions, and the primary duties of the office are concerned with legislation, regulations, orders-in-Council, Crown grants, timber and other agreements—preparation, interpretation, application, examination and checking thereof; arbitration of claims and disputes; consultation with and advising Head Office administrative divisions and regional districts in legal matters arising in the work of the Department; and attending upon the public, other government departments and Crown organizations in matters of a legal nature concerning the administration of the Department.

LEGISLATION

The following Acts administered by the Department were passed by the Legislature of Ontario at the Session which opened on February 1st, 1951:

The Beds of Navigable Waters Amendment Act, 1951
 The Forest Fires Prevention Amendment Act, 1951
 The Game and Fisheries Amendment Act, 1951
 The Private Forest Reserves Act, 1951
 The Public Lands Amendment Act, 1951
 The Railway Fire Charge Amendment Act, 1951
 The Wolf and Bear Bounty Amendment Act, 1951

NOTES ON LEGISLATION

The Beds of Navigable Waters Act—This Act was passed originally in 1911. The changes in the Act effected by The Beds of Navigable Waters Amendment Act, 1951, are designed to remove the uncertainties that have hitherto existed as to the ownership of the beds of navigable waters. In 1940 certain amendments were made

that were designed to strengthen the Act. As that intention has not been realized, the 1940 amendments are repealed. Also the original basic section of the Act is re-enacted to provide a definite result wherever the section operates, whereas the original section created a presumption. The section as re-enacted also governs a new case, namely, where a navigable body of water or stream flows *through* a parcel of land.

The Forest Fires Prevention Act—The amendments to this Act are for the general purpose of improving administration. For instance, the effect of two of the amendments is that in the application for a work permit and in the permit itself the land on which the operation is to take place must be described with greater certainty than has been the case in the past.

The Game and Fisheries Act—Several amendments were made to this Act. Among these is the provision by which "deer" is defined to include "wapiti," and specific references to wapiti in the Act are deleted. As a result wapiti are to be treated in all respects the same as deer. The prohibitions against the taking of any female deer of any age or any male deer under the age of one year are repealed. The prohibition against the use of snares during the open season for deer and moose in any part of Ontario is relaxed by adding to the parts of Ontario excepted therefrom the District of Cochrane and such other parts as may be prescribed by regulations. The provision in the Act requiring an Information to be laid and the case heard before the same magistrate is repealed to bring enforcement procedure in line with modern court practices.

The Private Forest Reserves Act—An amendment to this Act enables the Minister to transfer the title in timber to the owner of the land which has been declared a private forest reserve under the Act, and in respect of which the timber had been reserved to the Crown in the grant of the land. Such timber still cannot be cut without the consent of the Minister.

The Public Lands Act—The effect of amendments to this Act is to cancel clauses in grants of Crown lands for agricultural purposes that reserve any class or kind of tree, and to vest the property in such trees in the patentee; to cancel timber licences in respect of Crown land disposed of to settlers for agricultural purposes, and to render void building conditions appearing in certain letters patent.

The Railway Fire Charge Act—This Act was amended for the purpose of bringing into line with The Crown Timber Act the provisions with respect to charges imposed for fire protection and the interest rate on arrears. The charge for fire protection is now the same with respect to railway lands and Crown lands under timber licence.

The Wolf and Bear Bounty Act—Amendments to this Act are designed to assist in a proper administration of the Act and to enable a proper degree of control to be applied where wolves and bears are released from captivity.

There are 27 Statutes of the Legislature of Ontario under which the Department is administered. In addition, the administration of fish and wildlife resources is governed in part by Government of Canada legislation and regulations, these being



This cabin is typical of many that are situated on Crown land purchased from the Division of Land and Recreational Areas.

the Migratory Birds Convention Act and the Special Fishery Regulations for the Province of Ontario made under the Fisheries Act. A topical list of the 27 Statutes above referred to is available upon request to the Division of Operation and Personnel.

REGULATIONS

A revision and consolidation of regulations filed under The Regulations Act to the end of 1950 has been published as "Consolidated Regulations of Ontario, 1950." Regulations with which the administration of this Department is concerned have been made under The Crown Timber Act, The Cullers Act, The Forest Fires Prevention Act, The Game and Fisheries Act, The Provincial Land Tax Act, The Provincial Parks Act, The Public Lands Act, The Railway Fire Charge Act and The Wolf and Bear Bounty Act, and these will be found in the Consolidated Regulations of Ontario, 1950.

Lands and Forests' regulations filed with the Registrar of Regulations between January 1st and March 31st, 1951, and still in force are as follows:

THE GAME AND FISHERIES ACT

O. Reg. 48/51—amending Regulations 126 of C.R.O. 1950

O. Reg. 54/51—New

SUBJECT-MATTER

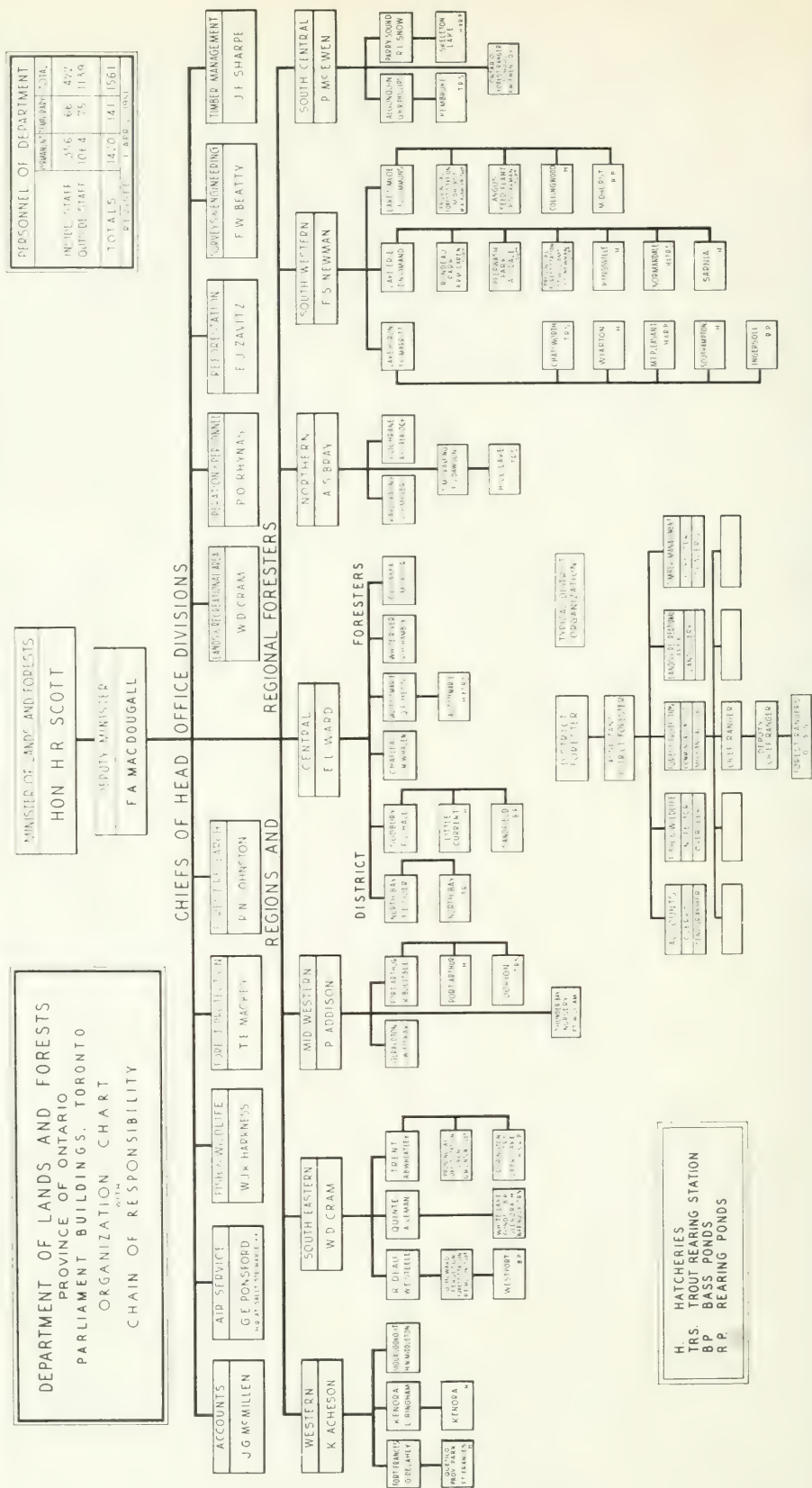
Open season for Fox in counties.

Waters set apart.

Division of Operation and Personnel



FIGURE No. 1





ADMINISTRATIVE DIVISIONS



PROVINCE OF ONTARIO

Department of Lands and Forests

Hon. H. R. Scott
Minister

F. A. MacDougall
Deputy Minister



ADMINISTRATIVE DIVISIONS



PROVINCE OF ONTARIO

Department of Lands and Forests

Hon. H. R. Scott
Minister

F. A. MacDougall
Deputy Minister

FIGURE No. 1



TABLE No. 3

| OUTSIDE SERVICE | PERMANENT | TEMPORARY | CASUAL | SPECIAL | TOTAL |
|-----------------------------|-----------|-----------|--------|---------|-------|
| Air Service | 97 | 1 | — | — | 98 |
| Algonquin | 66 | 2 | 30 | — | 98 |
| Chapleau | 24 | 2 | 13 | — | 39 |
| Cochrane | 47 | 3 | 27 | — | 77 |
| Lake Erie District | 38 | 7 | 3 | — | 48 |
| St. Williams Forest Station | 10 | — | 84 | — | 94 |
| Fort Frances | 35 | 2 | 20 | — | 57 |
| Geraldton | 27 | 4 | 41 | — | 72 |
| Gogama | 24 | 3 | 17 | — | 44 |
| Lake Huron | 40 | 6 | 24 | — | 70 |
| Kapuskasing | 38 | 2 | 30 | — | 70 |
| Kenora | 38 | 2 | 23 | — | 63 |
| North Bay | 56 | 3 | 44 | — | 103 |
| Parry Sound | 47 | 2 | 9 | — | 58 |
| Port Arthur | 55 | 9 | 60 | — | 124 |
| Quinte | 53 | 3 | 31 | — | 87 |
| Rideau | 29 | 2 | 16 | — | 47 |
| Sault Ste. Marie | 52 | 5 | 48 | — | 105 |
| Lake Simcoe | 38 | 1 | 3 | — | 42 |
| Sioux Lookout | 37 | 1 | 37 | — | 75 |
| Sudbury | 50 | 2 | 16 | — | 68 |
| Temiskaming | 36 | 4 | 29 | — | 69 |
| Trent | 36 | 6 | 31 | — | 73 |
| White River | 9 | — | 19 | — | 28 |
| Forest Ranger School | 14 | 1 | 15 | — | 30 |
| Angus | 21 | — | — | — | 21 |
| Midhurst | 36 | 2 | 12 | — | 50 |
| Orono | 11 | — | 15 | — | 26 |
| OUTSIDE SERVICE | 1,064 | 75 | 697 | — | 1,836 |
| INSIDE SERVICE | 356 | 66 | 4 | — | 426 |
| TOTAL SERVICE | 1,420 | 141 | 701 | — | 2,262 |

TABLE No. 4

Distribution of male and female employees at Head Office:

| | PERMANENT | | TEMPORARY | | TOTAL | | GRAND TOTAL |
|-------------------------|-----------|----|-----------|----|-------|-----|----------------|
| | M | F | M | F | M | F | |
| Air Service | 94 | 3 | 1 | — | 95 | 3 | 98 |
| Accounts | 38 | 21 | 5 | 6 | 43 | 27 | 70 |
| Fish and Wildlife | 35 | 15 | 2 | 3 | 37 | 18 | 55 |
| Forest Protection | 9 | 1 | 3 | 1 | 12 | 2 | 14 |
| Lands and Rec. Areas | 14 | 14 | 1 | 5 | 15 | 19 | 34 |
| Main Office | 1 | 5 | — | — | 1 | 5 | 6 |
| Operation and Personnel | 42 | 14 | 2 | 11 | 44 | 25 | 69 |
| Reforestation | 9 | 3 | 1 | 3 | 10 | 6 | 16 |
| Research | 27 | 4 | 6 | — | 33 | 4 | 37 |
| Surveys and Engineering | 46 | 6 | 5 | 1 | 51 | 7 | 58 |
| Timber Management | 48 | 4 | 10 | 1 | 58 | 5 | 63 |
| TOTALS | 363 | 90 | 36 | 31 | 399 | 121 | 520 |

TABLE No. 5

Number of employees holding university degrees:

| FORESTERS | BIOLOGISTS | CIVIL ENG. | MISCELL. | TOTAL |
|-----------|------------|------------|----------|-------|
| 147 | 25 | 3 | 12 | 187 |

NUMBER OF VETERANS ON STAFF - - 777
PERCENTAGE - - 49.77

The following chart shows technical personnel for the past 10 years:

NUMBER OF LICENSED SCALERS ON STAFF—343
NUMBER OF PERSONNEL HOLDING RANGER SCHOOL DIPLOMAS—237

The following chart shows the No. of permanent employees for the last 10 years:

The following chart shows staff age groups:

TABLE No. 6

The following table indicates the number of employees who terminated their services during the fiscal year:

| | RESIGNATIONS | DISMISSALS | RETIRED | SUPERANNUATED | DIED | TOTAL |
|------------------|--------------|------------|---------|---------------|------|-------|
| Head Office..... | 42 | 1 | 3 | 1 | 2 | 49 |
| Field..... | 54 | 2 | 8 | 6 | 8 | 78 |
| | 96 | 3 | 11 | 7 | 10 | 127 |

TABLE No. 7

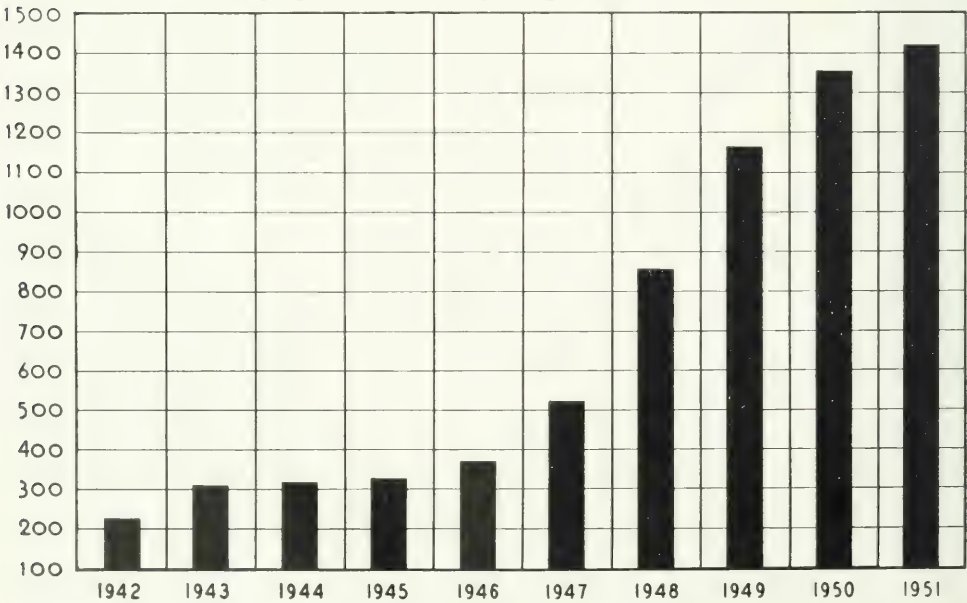
New employees were as follows:

| | MALE | FEMALE | TOTAL |
|-----------------|------|--------|-------|
| Head Office.... | 51 | 20 | 71 |
| Field..... | 90 | 0 | 108 |
| | 150 | 20 | 179 |

New employees included 50.28% veterans.

FIGURE No. 2

PERMANENT EMPLOYEES
AS OF MARCH 31ST EACH YEAR



The following technical and administrative staff were transferred during the fiscal year:

- R. H. Hambly - Forester Temiskaming District to be District Forester, White River District, April 1, 1950.
- C. E. Perrie - - Conservation Officer Port Arthur District to be Fish and Wildlife Specialist, Geraldton District, March 1, 1951.
- R. Haig - - - Forester Timber Management to be I/C Timber Management, Parry Sound District, July 1, 1950.
- G. A. Hamilton - Forester Forest Protection to be Forest Protection Specialist, Gogama District, August 1, 1950.
- D. N. Omand - - Biologist of the Fish and Wildlife Division, Toronto, to be District Forester, Lake Erie District, January 1, 1951.
- E. L. Skuce - - Fish and Wildlife Specialist, Algonquin Park to be Fish and Wildlife Specialist, Lake Erie District, February 1, 1951.

TABLE NO. 8
JUNIOR FOREST RANGERS

During the summer of 1950 Junior Rangers were distributed as follows:

| | | | |
|----------------------|----|------------------------|-----|
| Algonquin Park | 42 | Parry Sound | 12 |
| Cochrane | 14 | Quinte | 18 |
| Chapleau | 25 | Sault Ste. Marie | 20 |
| Geraldton | 10 | Sudbury | 16 |
| Gogama | 15 | Temiskaming | 32 |
| Kapuskasing | 14 | Trent | 15 |
| Kenora | 11 | White River | 12 |
| North Bay | 27 | Total | 283 |

FIGURE NO. 3

TECHNICAL PERSONNEL EMPLOYED
FORESTERS ONLY NOTED TO 1946 SHADED PORTIONS DENOTE SEASONAL EMPLOYEES

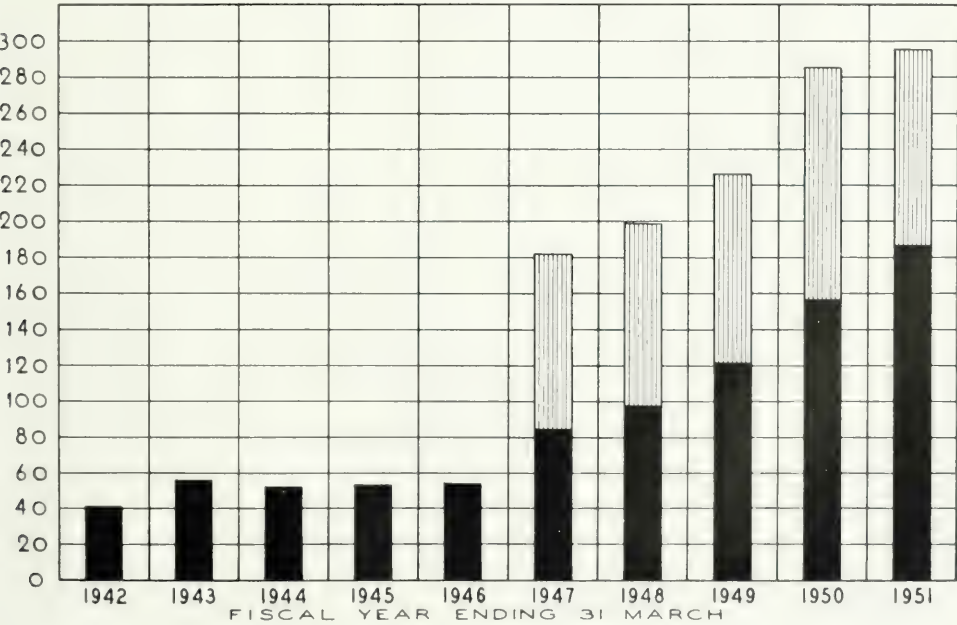
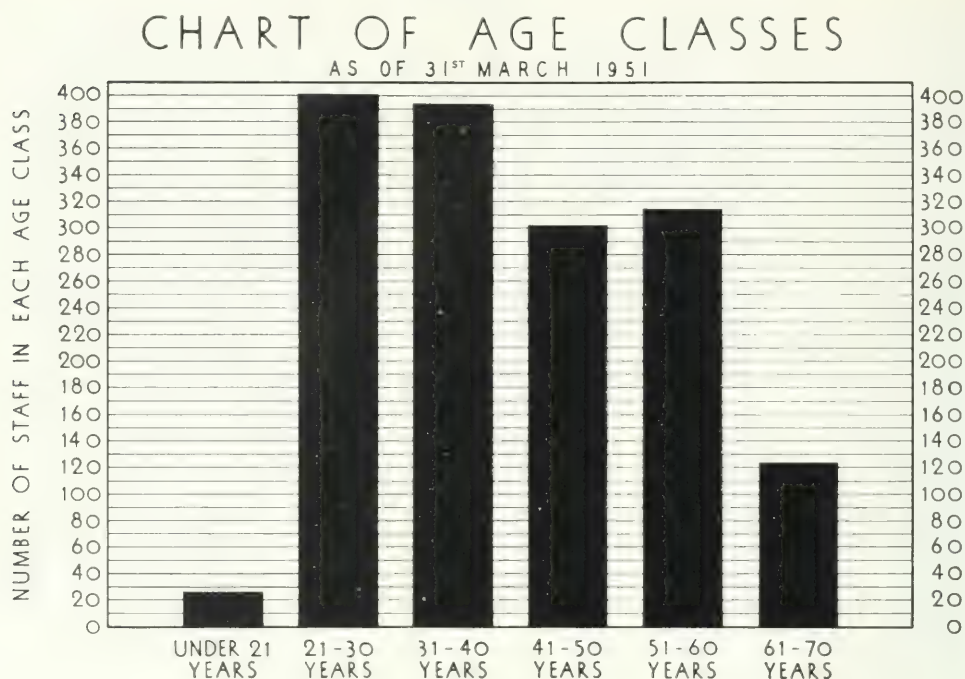


FIGURE NO. 4



Despite the fact that the Department does not advertise The Junior Ranger program in any way, many more applications are received each year than can be accepted. In 1950, 564 applications were received, of which a total of 283 were accepted for employment. It is significant to note that many of the boys are desirous of taking up forestry work in ensuing years. The main work undertaken during the summer under review consisted of construction and maintenance of telephone lines, clearing portages and trails, clearing camp sites, repairing buildings, painting and construction work. Instruction was given in the use and care of tools, outboards, pumps and canoes.

TABLE NO. 9

STAFF SUGGESTION PLAN

During the fiscal year awards totalling \$500.00 were made for suggestions submitted to the Staff Suggestion Committee as follows:

| DIVISION OR DISTRICT | NUMBER OF SUGGESTIONS | AMOUNT | DIVISION OR DISTRICT | NUMBER OF SUGGESTIONS | AMOUNT |
|-------------------------|-----------------------|---------|------------------------|-----------------------|----------|
| Accounts | 1 | \$ 5.00 | Quinte | 2 | \$ 15.00 |
| Forest Protection | 1 | 100.00 | Ranger School | 1 | 10.00 |
| Air Service | 4 | 115.00 | Rideau | 1 | 5.00 |
| Algonquin | 2 | 25.00 | Sault Ste. Marie | 1 | 10.00 |
| Fort Frances | 1 | 10.00 | Sioux Lookout | 3 | 40.00 |
| Geraldton | 2 | 35.00 | Temiskaming | 3 | 35.00 |
| North Bay | 1 | 10.00 | White River | 1 | 25.00 |
| Parry Sound | 1 | 5.00 | | | |
| Port Arthur | 6 | 55.00 | | 31 | \$500.00 |

ANNUAL REPORT ON WORKMEN'S COMPENSATION COSTS

The Workmen's Compensation Report shows a considerable decrease in both costs and number of accidents for the past fiscal year 1950-51. The costs have decreased by approximately \$6000.00 and number of accidents have decreased by 107.

The fire season has not been as severe as the previous two years and this is a major factor in the amount of decrease of accidents. In general, the severity of accidents sustained was much less than that of the previous season and, therefore, medical costs and compensation were not as great.

There has been a marked decrease in the number of accidents caused by axes, falling objects, and those listed under miscellaneous. On the other hand, there were 9 plane accident cases but only 2 planes involved. On June 29th, 1950, a plane with the pilot and 3 passengers failed at the take-off and crash landed in the bush. The injuries in this case were only slight. An unfortunate plane crash occurred on September 7th, 1950, when the plane piloted by S. Hutnick, and containing four passengers, crashed near Temagami and all the occupants of the plane were killed. This has necessitated the opening of three new pension claims as three of the plane occupants left dependents. Five new pensions for the fiscal year 1950-51 were started with one former pension being discontinued. The pension costs have increased by \$1700.00 which is consistent with the increase in number of pensions.

Although the amount recoverable from Department of Public Works was \$595.85, the Workmen's Compensation Board credited us with a refund of \$580.51 for the Kotimaa claim, which is now being charged direct to Public Works. Therefore, the balance recoverable from Public Works is shown as \$15.34.

FIGURE No. 5

TREND IN WORKMEN'S COMPENSATION COSTS PREPARED FROM TOTALS FOR THE PAST TEN YEARS 1941-42 to 1950-51

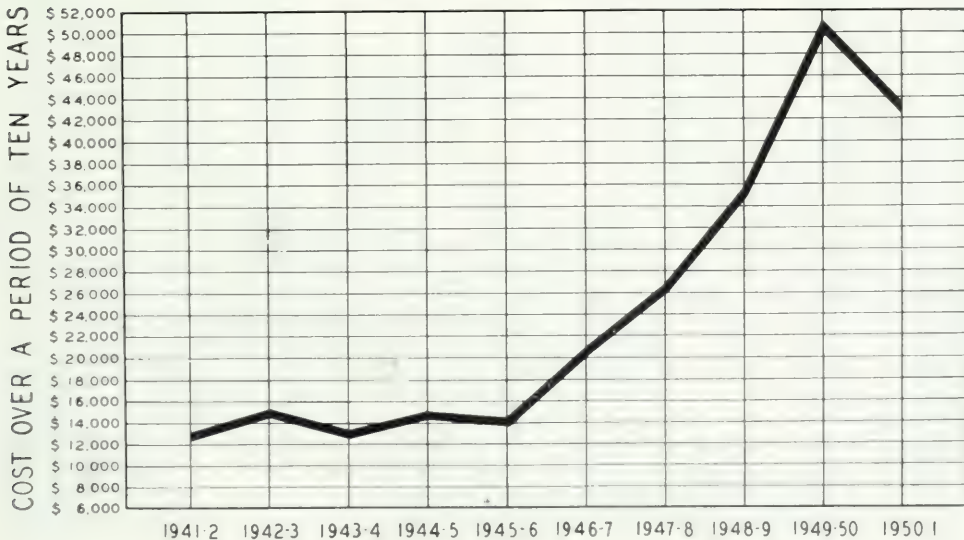


TABLE No. 10
WORKMEN'S COMPENSATION REPORT
SUMMARY

| YEAR | TOTAL COST | NO. OF CLAIMS | AVERAGE NO. OF EMPLOYEES DURING PEAK SEASON OF JULY AND AUGUST | AVERAGE FOR YEAR | ACCIDENT RATE PER YEAR % |
|--------------|--------------|---------------|--|------------------|--------------------------|
| 1941-42..... | \$ 13,755.68 | 130 | 1,835 | | |
| 1942-43..... | 14,581.84 | 103 | 3,095 | 1,822 | 5.65 |
| 1943-44..... | 12,850.33 | 98 | 2,126 | 1,589 | 6.16 |
| 1944-45..... | 14,540.02 | 120 | 3,382 | 1,969 | 6.09 |
| 1945-46..... | 14,248.76 | 129 | 2,960 | 1,784 | 7.23 |
| 1946-47..... | 21,560.24 | 182 | 3,466 | 2,366 | 7.69 |
| 1947-48..... | 27,189.07 | 328 | 3,547 | 2,835 | 11.57 |
| 1948-49..... | 35,989.21 | 494 | 4,770 June & July | 2,923 | 16.90 |
| 1949-50..... | 50,929.11 | 501 | 4,359 | 2,923 | 17.14 |
| 1950-51..... | 43,950.68 | 394 | 3,356 | 2,925 | 13.47 |
| | \$249,594.94 | 2,479 | | | |

The above figures do not include W.C.B. Administrative Costs.

Public Relations Officer giving talk to school children.



TABLE No. 11
COMPARISON OF COSTS
FOR THE LAST FOUR YEARS

| YEAR ENDING | MEDICAL, COMPENSATION AND PENSION COSTS | ADMINISTRATIVE COSTS ASSESSED BY W.C.B. | NO. OF CLAIMS |
|-------------------------|--|---|------------------|
| March 31, 1948..... | \$27,189.07 | \$1,045.50 | 328 |
| March 31, 1949..... | 35,989.21 | 1,347.00 | 494 |
| Plus Admin. Costs..... | 1,347.00 | | |
| NET COSTS | 37,336.21 | | |
| Less Public Works | 257.24 | | |
| TOTAL COSTS | 37,078.97 | | |
| March 31, 1950..... | 50,929.11 | 2,044.50 | 501 |
| Less Public Works..... | 719.66 | | |
| NET COSTS | 50,209.45 | | |
| Plus Admin. Costs..... | 2,044.50 | | |
| TOTAL COSTS | 52,253.95 | | |
| March 31, 1951..... | 43,950.68 | 2,337.00 | 394 |
| Less Public Works | 15.34 | (595.85 - 580.51 refund on Kotimaa claim) | |
| NET COSTS | 43,935.34 | | |
| Plus Admin. Costs..... | 2,337.00 | | |
| TOTAL COSTS | 46,272.34 | | |

TABLE No. 12
BREAK-DOWN OF CLAIMS
FOR FISCAL YEAR 1950-51 BY CAUSES

| CAUSE | NO. | % | COST | % |
|--|-----|-------|-------------|--------|
| Falls | 81 | 20.6 | \$ 9,050.66 | 38.50 |
| Axe | 55 | 13.8 | 2,034.68 | 8.70 |
| Cutting Tools | | | | |
| Chisels, Knives, Saws, etc..... | 25 | 6.4 | 1,099.38 | 4.24 |
| Falling Objects | 16 | 4.1 | 1,056.36 | 4.48 |
| Eye Injuries..... | 27 | 6.8 | 310.06 | 1.32 |
| Poison (Insect and Plants)..... | 16 | 4.1 | 552.79 | 2.35 |
| Burns | 6 | 1.6 | 145.35 | .62 |
| Stepping on Nails | 5 | 1.2 | 23.00 | .10 |
| Car Accidents | 10 | 2.6 | 1,209.51 | 5.13 |
| Electric Shock (lightning) | | | 25.25 | .11 |
| Miscellaneous | | | | |
| Bruises, Scratches, Slivers, Strains, Sprains, etc..... | 124 | 31.6 | 4,986.54 | 21.21 |
| Drownings | 1 | .2 | 197.40 | .84 |
| Motor Car Trailer..... | | | 80.00 | .34 |
| Plane Accidents..... | 9 | 2.3 | 1,569.00 | 6.71 |
| Heart Attack..... | 1 | .2 | 3.00 | .02 |
| Sunstroke..... | 1 | .2 | 3.50 | .02 |
| Missing | | | | |
| Scoot Accident..... | | | 7.50 | .04 |
| Animal Bites..... | 1 | .2 | | |
| Frostbite | 4 | 1.0 | 8.00 | .04 |
| Infection | 9 | 2.3 | 354.85 | 1.51 |
| Heat Prostration..... | | | | |
| Hernia | 3 | .8 | 876.58 | 3.72 |
| TOTALS | 394 | 100.0 | \$23,593.41 | 100.00 |

| | |
|--|-------------|
| Cost of accidents sustained previous to fiscal period 1950-51..... | \$ 7,129.53 |
| Cost of accidents sustained during fiscal period 1950-51..... | 16,463.88 |

TOTAL COST \$23,593.41

Total Cost includes Compensation and Medical Aid but not Pensions.

| | |
|------------------------------------|-------------|
| Compensation and Medical Aid | \$23,593.41 |
| Pensions and Medical Aid | 20,357.27 |

| | |
|---------------------------|-------------|
| Total Cost for year | \$43,950.68 |
| Less Public Works | 15.34 |

| | | |
|---------------------------------|-----------|--------------------------------|
| Net Cost | 43,935.34 | (595.85- 580.51 |
| Plus Administrative Costs | 2,337.00 | refund on Kotimaa claim) |

Total Cost \$46,272.34

TABLE No. 13
PENSIONS
AMOUNTS PAID BY WORKMEN'S COMPENSATION BOARD
DURING THE PERIOD APRIL 1, 1949, TO MARCH 31, 1950

| NO. OF CURRENT PENSIONS | WIDOWS | CHILDREN | MOTHERS | PENSION | MEDICAL AID |
|----------------------------|--------|----------|---------|-------------|----------------|
| 39 | 16 | 13 | 1 | \$17,734.18 | \$890.41 |

Total Cost of Pensions \$18,633.59

FIGURE No. 6

TREND IN WORKMEN'S COMPENSATION CLAIMS
PREPARED FROM TOTAL CLAIMS FOR THE PAST TEN YEARS
1941-42 TO 1950-51

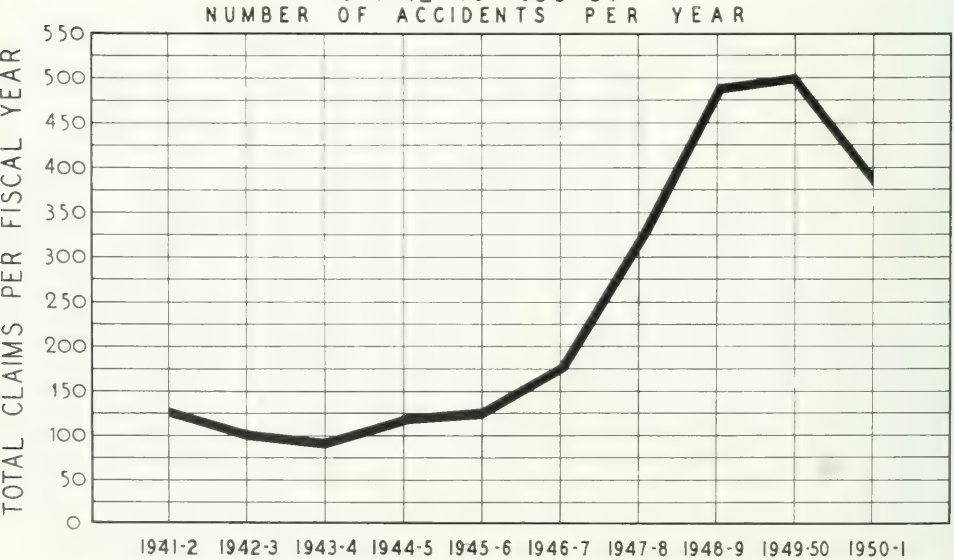


TABLE No. 14
AMOUNTS PAID BY THE WORKMEN'S COMPENSATION BOARD
DURING THE PERIOD APRIL 1, 1950 TO MARCH 31, 1951

| NO. OF CURRENT PENSIONS | WIDOWS | CHILDREN | MOTHERS | PENSION | MEDICAL AID |
|----------------------------|--------|----------|---------|-------------|----------------|
| 43 | 18 | 17 | 1 | \$17,715.25 | \$2,642.02 |

Total Cost of Pensions \$20,357.27
Total Cost of Pensions for the above two years \$38,990.86

TABLE No. 15
PENSIONS
CURRENT PENSIONS

| NO. BY YEAR OF ORIGIN | | WIDOWS | CHILDREN | MOTHERS |
|--------------------------|-----|--------|----------|---------|
| YEAR | NO. | | | |
| 1920 | 1 | 1 | | |
| 1924 | 1 | | | |
| 1925 | 1 | | | |
| 1930 | 1 | | | |
| 1934 | 1 | | | |
| 1935 | 1 | | | |
| 1936 | 2 | 2 | 3 | |
| 1937 | 1 | | 3 | |
| 1938 | 2 | | | |
| 1940 | 3 | | | |
| 1941 | 1 | | | |
| 1943 | 1 | | | |
| 1944 | 2 | | | |
| 1945 | 4 | 3 | | |
| 1946 | 3 | 1 | | 1 |
| 1947 | 4 | 1 | 1 | |
| 1948 | 5 | 4 | 5 | |
| 1949 | 4 | 2 | | |
| 1950 | 5 | 4 | 5 | |
| | 43 | 18 | 17 | 1 |

Amounts paid between April 1, 1950 and March 31, 1951

| | |
|-------------|-------------|
| Pensions | \$17,715.25 |
| Medical Aid | 2,642.02 |
| TOTAL | \$20,357.27 |

TABLE No. 16
LIST OF NEW PENSIONS
DURING THE FISCAL YEAR 1950-51

| NAME | YEAR OF ORIGIN | WIDOWS | MOTHERS | CHILDREN | TOTAL PAID PER MONTH |
|-----------------|-------------------|--------|---------|----------|-------------------------|
| Mrs. W. Geddis | 1950 | 1 | | 1 | \$62.00 |
| Mrs. S. Hutnick | 1950 | 1 | | 2 | 74.00 |
| Mrs. Wm. Nye | 1950 | 1 | | | 50.00 |
| Mrs. C. Tyrrel | 1950 | 1 | | 2 | 74.00 |
| J. Brownlee | 1950 | | | | 10.75 |

FIGURE No. 7

PERCENTAGE OF STAFF INVOLVED
IN COMPENSABLE ACCIDENTS ANNUALLY
OVER A PERIOD OF THE LAST NINE YEARS
1942-43 TO 1950-51

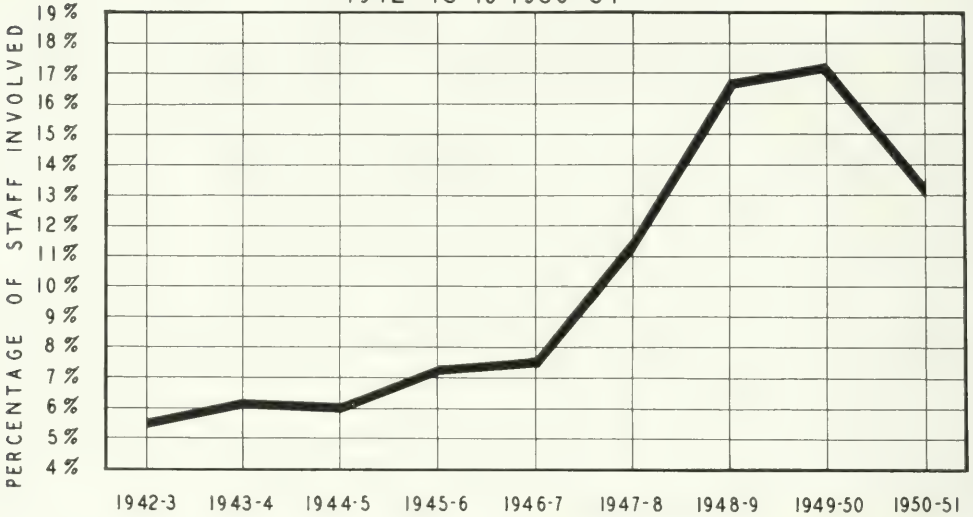


FIGURE No. 8

TREND IN WORKMEN'S COMPENSATION CLAIMS
PREPARED FROM AVERAGE FIGURES FOR THE PAST TEN YEARS
1941-42 TO 1950-51
AVERAGE NUMBER OF ACCIDENTS SHOWING INCIDENCE BY MONTH

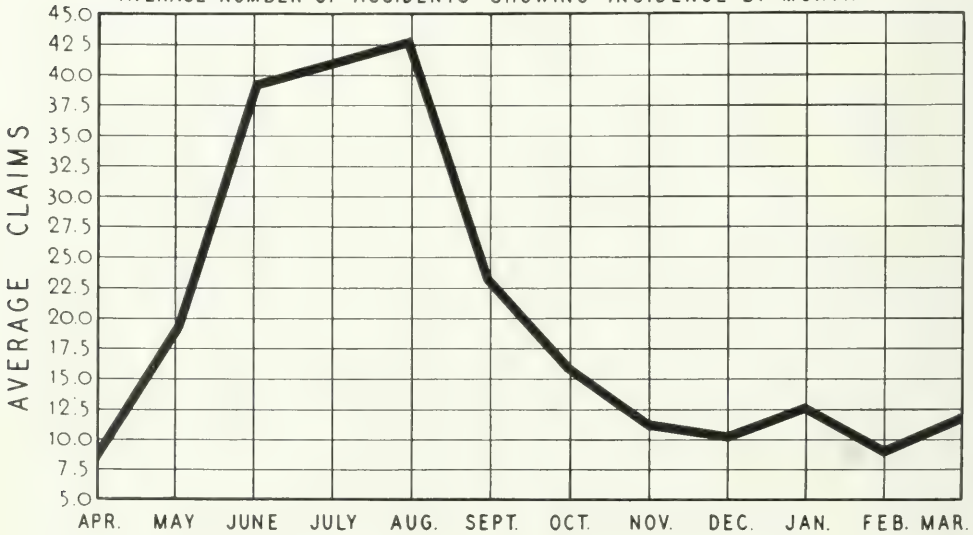


TABLE No. 17
NUMBER OF CLAIMS MADE TO WORKMEN'S COMPENSATION BOARD
DURING FISCAL YEAR 1949-50

| APRIL | MAY | | JUNE | | JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
|-------|-----|----|------|-----|------|-----|--------|------|-----------|-----|---------|-----|----------|-----|----------|-----|---------|-----|----------|-----|-------|-----|
| | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC |
| 19 | 3.8 | | 33 | 6.6 | 50 | 9.9 | 127 | 25.3 | 46 | 9.2 | 32 | 6.4 | 25 | 5.0 | 15 | 3.0 | 26 | 5.2 | 21 | 4.2 | 19 | 3.8 |

ABOVE

BELOW

| | | | |
|-----------------------------|-------------|---|-------------|
| Total No. of Accidents | 501 | Total No. of Accidents | 394 |
| Total Cost | \$32,295.52 | Total Cost | \$23,593.41 |
| — Current | 17,734.18 | — Current | 17,715.25 |
| — Pensions | 899.41 | — Pensions | 2,642.02 |
| — Pensions med. aid | | — Pensions med. aid | |
| TOTAL | \$50,929.11 | TOTAL | \$43,950.68 |
| Less Public Works | 719.66 | Less Public Works | 15.34 |
| | | (595,85-580.51 refund on Kotimaa claim) | |
| Net Costs | \$50,209.45 | Net Costs | \$43,935.34 |
| (Administrative) Plus Costs | 2,044.50 | (Administrative) Plus Costs | 2,337.00 |
| TOTAL | \$52,253.95 | TOTAL | \$46,272.34 |

TABLE No. 18
NUMBER OF CLAIMS MADE TO WORKMEN'S COMPENSATION BOARD
DURING FISCAL YEAR 1950-51

| APRIL | MAY | | JUNE | | JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | | JANUARY | | FEBRUARY | | MARCH | |
|-------|-----|----|------|-----|------|------|--------|------|-----------|------|---------|------|----------|-----|----------|-----|---------|-----|----------|-----|-------|-----|
| | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC | NO. | CC |
| 19 | 4.8 | | 30 | 7.6 | 41 | 10.4 | 60 | 15.2 | 58 | 15.0 | 42 | 10.6 | 19 | 4.8 | 17 | 4.3 | 23 | 5.8 | 17 | 4.3 | 25 | 6.3 |

TABLE No. 19
NUMBER OF CLAIMS MADE TO WORKMEN'S COMPENSATION BOARD
TEN YEAR PERIOD FISCAL YEARS 1941-42 TO 1950-51

| FISCAL YEAR | APRIL NO. $\frac{C}{C}$ | MAY NO. $\frac{C}{C}$ | JUNE NO. $\frac{C}{C}$ | JULY NO. $\frac{C}{C}$ | AUG. NO. $\frac{C}{C}$ | SEPT. NO. $\frac{C}{C}$ | OCT. NO. $\frac{C}{C}$ | NOV. NO. $\frac{C}{C}$ | DEC. NO. $\frac{C}{C}$ | JAN. NO. $\frac{C}{C}$ | FEB. NO. $\frac{C}{C}$ | MAR. NO. $\frac{C}{C}$ | TOTAL CLAIMS | COSTS |
|-------------|----------------------------|--------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-----------------|-------------|
| 1941-42 | 5 3.8 | 18 13.8 | 25 19.3 | 15 11.5 | 23 17.7 | 14 10.8 | 4 3.1 | 13 10.0 | 4 3.1 | 6 4.6 | 0 0.0 | 3 2.3 | 130 | \$13,755.68 |
| 1942-43 | 4 3.9 | 9 8.7 | 13 12.6 | 20 19.4 | 18 17.5 | 12 11.7 | 3 2.9 | 3 2.9 | 4 3.9 | 9 8.7 | 4 3.9 | 4 3.9 | 103 | 14,581.81 |
| 1943-44 | 3 3.0 | 6 6.1 | 9 9.2 | 20 20.4 | 13 13.3 | 19 19.4 | 8 8.2 | 5 5.1 | 2 2.0 | 4 4.1 | 5 5.1 | 4 4.1 | 98 | 12,850.33 |
| 1944-45 | 2 1.7 | 13 10.8 | 17 14.2 | 25 20.8 | 28 23.3 | 8 6.7 | 7 5.8 | 2 1.7 | 2 1.7 | 6 5.0 | 3 2.5 | 7 5.8 | 120 | 14,540.02 |
| 1945-46 | 8 6.4 | 15 12.0 | 13 10.4 | 24 19.0 | 24 19.0 | 8 6.4 | 6 4.8 | 6 4.8 | 4 3.2 | 7 5.4 | 7 5.4 | 4 3.2 | 126 | 14,248.76 |
| 1946-47 | 7 3.9 | 19 10.6 | 22 12.2 | 33 18.3 | 28 15.6 | 14 7.8 | 9 5.0 | 12 6.7 | 11 6.1 | 9 5.0 | 8 4.4 | 8 4.4 | 180 | 21,560.24 |
| 1947-48 | 11 3.4 | 22 6.7 | 42 12.8 | 59 18.0 | 69 21.0 | 33 10.1 | 23 7.0 | 9 2.7 | 18 5.5 | 15 4.6 | 9 2.7 | 18 5.5 | 328 | 27,189.07 |
| 1948-49 | 13 2.8 | 30 6.1 | 159 32.2 | 71 14.4 | 38 7.7 | 42 8.5 | 26 5.3 | 22 4.4 | 25 5.0 | 22 4.4 | 16 3.2 | 30 6.0 | 494 | 35,898.21* |
| 1949-50 | 19 3.8 | 33 6.6 | 50 9.9 | 88 17.6 | 127 25.3 | 46 9.2 | 32 6.4 | 25 4.9 | 15 2.9 | 26 5.2 | 21 4.2 | 19 3.9 | 501 | 50,929.11* |
| 1950-51 | 19 4.8 | 30 7.6 | 41 10.4 | 60 15.2 | 58 15.0 | 42 10.6 | 43 10.9 | 19 4.8 | 17 4.3 | 23 5.8 | 17 4.3 | 25 6.3 | 394 | 43,950.68* |
| TOTALS | 91 3.7 | 195 7.9 | 391 15.8 | 415 16.8 | 426 17.3 | 238 9.7 | 161 6.5 | 116 4.7 | 102 4.1 | 127 5.2 | 90 3.3 | 122 5.0 | 2,474 | |

* See breakdown

TABLE NO. 20
LIST OF CURRENT PENSIONS
FOR THE PERIOD 1950-51

| NAMES | WIDOWS | CHILDREN | MOTHERS | COST OF PENSION PAID PER MONTH | YEAR OF ORIGIN OF PENSION |
|---------------------------|--------|---|---------|--------------------------------------|---------------------------------|
| Mrs. M. Albright..... | | | 1 | \$ 20.00 | 1946 |
| G. Bolduc..... | | | | 5.00 | 1949 |
| W. F. Brown..... | | | | 7.50 | 1944 |
| Mrs. N. Brown..... | 1 | | | 50.00 | 1920 |
| John Brownlee..... | | | | 10.75 | 1950 |
| Mrs. E. A. Buckland..... | 1 | 1 | | 62.00 | 1948 |
| E. C. Burton..... | | | | 24.00 | 1925 |
| Mrs. F. O. Chappel..... | 1 | | | 50.00 | 1949 |
| Mrs. D. Carlson..... | | 1 | | 12.00 | 1947 |
| Mrs. C. Deacon..... | 1 | | | 50.00 | 1947 |
| Mrs. J. L. Depencier..... | 1 | | | 50.00 | 1945 |
| Mrs. Rose Faubert..... | 1 | | | 50.00 | 1945 |
| Mrs. Wm. Geddis..... | 1 | 1 | | 62.00 | 1950 |
| A. F. Grant..... | | | | 88.25 | 1938 |
| R. J. Henderson..... | | | | 12.25 | 1947 |
| C. Hurd..... | | | | 17.75 | 1946 |
| Mrs. S. Hutnick..... | 1 | 2 | | 74.00 | 1950 |
| Mrs. P. A. Hutton..... | 1 | | | 50.00 | 1946 |
| A. T. Jackson..... | | | | 55.50 | 1949 |
| D. Leprett..... | | | | 12.00 | 1934 |
| Jas. Maltby..... | | | | 5.50 | 1938 |
| Mrs. Cora Maydanuk..... | | 3 | | 36.00 | 1937 |
| | | (1 child was discontinued in May, 1950) | | | |
| G. McAinsh..... | | | | 16.25 | 1941 |
| Mrs. C. McFarland..... | 1 | | | 50.00 | 1945 |
| H. F. McMinn..... | | | | 19.25 | 1947 |
| M. Mulvihill..... | | | | 7.25 | 1944 |
| T. Naveau..... | | | | 7.75 | 1945 |
| Mrs. W. T. Nye..... | 1 | | | 50.00 | 1950 |
| T. O'Brien..... | | | | 11.00 | 1940 |
| J. Paquette..... | | | | 9.75 | 1943 |
| Mrs. R. G. Reid..... | 1 | 3 | | 86.00 | 1936 |
| Mrs. R. Retty..... | 1 | | | 50.00 | 1948 |
| Wm. Sanders..... | | | | 10.00 | 1924 |
| Wm. Shoup..... | | | | 13.75 | 1940 |
| Mrs. A. Stanfield..... | 1 | | | 50.00 | 1949 |
| Mrs. J. M. Stevens..... | 1 | | | 50.00 | 1936 |
| P. Sullivan..... | | | | 50.00 | 1930 |
| Wm. H. Trickett..... | | | | 13.75 | 1948 |
| L. J. Turner..... | | | | 6.50 | 1935 |
| Mrs. C. Tyrrel..... | 1 | 2 | | 74.00 | 1950 |
| Mrs. H. W. Westaway..... | 1 | | | 50.00 | 1948 |
| Mrs. R. Wilcox..... | 1 | 4 | | 98.00 | 1948 |
| G. J. Wrigglesworth..... | | | | 53.25 | 1940 |
| TOTALS | 18 | 17 | 1 | \$1,581.00 | |

TRAINING

HEAD OFFICE STAFF COURSE

During the year another Head Office Staff Course was conducted and attended by 32 of the Department's personnel representing all the districts in the

Province and several of the Head Office staff. Instruction was given by the following Divisions: Operation and Personnel, Law, Accounts, Land and Recreational Areas, Timber Management, Forest Protection, Fish and Wildlife, Surveys and Engineering and Research, and where applicable, those attending were handed charts, manuals and copies of Acts. From comments of the personnel attending, they obtained through the instruction, a better and broader knowledge of the operation of the Divisions in which they were instructed.

MECHANICAL TRAINING

To assist in the care and maintenance of our mechanical equipment 20 employees were sent to a training school operated by the Outboard Marine Motor Company at Peterborough and received instruction on outboard motors and fire pumps. The instruction was of excellent value to our men and they derived knowledge of this equipment which could only be obtained at the factory.

One man was sent to the Crothers Diesel plant to receive instruction about Diesel engines. He is now stationed at a centre where repairs are made on the job by the mechanic or forwarded to a central point thereby decreasing the "lost time" factor.

Of our supervisory staff 10 men from the field attended a course on Motor Vehicle Maintenance and 12 a course on Fleet Supervisors. These courses were conducted by the Safety Division of the University of Toronto and lectures were delivered to the students, by key personnel of various automotive manufacturing companies from whom valuable knowledge was obtained.

RANGER SCHOOL

The Ranger School is functioning to capacity and with the 42 graduates this year the total number of students having attended and graduated is 237.

SCALING SCHOOLS

With the holding of scaling schools at Carnarvon and Sault Ste. Marie this year there are now 320 fully licensed scalers and 23 licensed to scale pulpwood. The holders of "pulp" licences have an opportunity of trying for full licences at a later date. Other scalers' schools will be conducted during the year.

PRE-SERVICE TRAINING

A course was instituted whereby a candidate seeking employment as a Conservation Officer was brought to Head Office and given instruction and training prior to appointment and allocation. This was the first pre-service training undertaken by the Department. The results were most gratifying with 11 candidates attending.

SAFETY AND TRAINING

As a safety and training officer was appointed late in the year we are now working on Instruction courses and safety measures to be carried out during the coming year. Figures compiled from statistics at hand show that there are

- 450 trained in Job Instruction Training
- 30 trained in Job Relations Training
- 1 trained in Job Methods Training



Junior Rangers working on a summer communication project.

There are also

- 254 holding St. John's Ambulance Association Certificates
- 30 holding St. John's Ambulance Association Vouchers
- 2 holding St. John's Ambulance Association Medallions

During the District Foresters' conference a trip was arranged through the courtesy of the Workmen's Compensation Board so that the District Foresters and several Head Office personnel were privileged to visit the W.C.B. convalescent centre at Malton and to see at first hand how industrial casualties are rehabilitated and prepared for re-employment after treatment.

OFFICE MANAGEMENT SECTION

1. LOCATING, PURCHASING AND EXPEDITING OF EQUIPMENT AND SUPPLIES:

During the year, very little difficulty was experienced in securing equipment and supplies. In most cases, Departmental requirements were met by immediate delivery. In cases where stocks on hand did not permit of immediate delivery, delays were not as prolonged as during other post-war years. As the months passed, it became apparent that a shortage of steel was developing and that steel equipment would soon be difficult to secure. With this in mind, a survey of Departmental needs for the next fiscal year was made, and filing cabinets, map cabinets, and other steel equipment ordered in time to ensure delivery before conditions became more critical. All types of metals became much more difficult to procure toward the close of the year.

2. DISTRIBUTION OF EQUIPMENT AND SUPPLIES:

In spite of the lack of adequate storage space, an increase was noted in the weight and number of shipments, of supplies and equipment to field offices, as compared with previous years.

Express and freight shipments reached a total of over 170 tons gross, consisting of about 12,500 parcels, cartons, and crates. In addition to this, 29,300 pamphlets including the Department's magazine "Silva," were enclosed in envelopes and mailed; 75,000 circulars, including the weekly news release were collated, folded and mailed. Licences prepared and shipped rose to a total of 802,900 contained in 10,210 separate orders or shipments.

3. STAFF UNIFORMS:

Generally speaking, no major changes were made in the uniform equipment issued to qualified personnel, with the exception of the purchase of light-weight summer caps. These are made of the same material as the summer uniform and should not only add to the appearance of the uniform, but give the wearer a considerable amount of added comfort.

Through the use of laboratory tests in selecting materials, and experience gained over the years, the uniform equipment as issued at present is of high quality and good appearance.

The total number of personnel now equipped with uniforms is 520 and the administrative duties such as purchasing, issuing, replacing, and recording have increased with the number of personnel equipped.

4. DUPLICATING, PRINTING, DISTRIBUTION OF PRINTED MATTER:

Production of Departmental forms, pamphlets, reports and other printed matter that could be handled by either the Multilith or Mimeograph process was increased during the year. This increase was achieved despite the lack of adequate space and the fact that, for most of the time, a shortage of trained staff existed.

The total impressions for the various processes were as follows:

| | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|-----------|
| Multilith | - | - | - | - | - | - | - | - | - | 4,474,550 |
| Mimeograph | - | - | - | - | - | - | - | - | - | 773,271 |

These figures show an increase of 541,500 impressions for the Multilith and 265,100 for the Mimeograph over the previous year.

In preparation of work for the printing room, the Vari-typer operator prepared 288 photographic drafts for new negatives, 62 paper plates as well as numerous stencils and many alterations to negatives.

5. SERVICING AND SPACE ADJUSTMENTS:

Servicing might be generally defined as the effort expended by this section in seeing that office machinery and equipment is kept in good working order, organizing the moving of furniture and equipment when necessary and in doing or supervising the numerous small but time-consuming jobs required to keep the equipment functioning smoothly. All requests for such service have been carried out to the satisfaction of those concerned.

Due to the lack of any available space, little has been done with regard to space adjustments.

6. CONFERENCES:

Considerable difficulty was encountered in securing suitable accommodation for the conferences, meetings, and classes that were held during the year, and on a number of occasions, it was necessary to rent meeting rooms from outside sources. This condition is caused by the lack of sufficient conference-room space within the Buildings.

7. PROPERTIES, LEASING, ETC.:

The leasing of premises for Departmental use is to be taken over by the Department of Public Works, and arrangements were made to turn all existing leases over to them as of April 1, 1951.

This action does not relieve this section of any of its responsibility, nor does it lessen the work involved, but it does centralize the work of preparing leases and payment of rentals so that a standard throughout the province can be maintained.

During the current year, the following projects were carried out, with regard to District Offices:

- New premises leased—3
- New premises purchased—1
- Additions to present offices leased—2
- Renewals of leases—4
- Extensions to leases—2

8. RECORDS OFFICE:

In the records office, the lack of sufficient space is acute as in all other sections of the Division and the Department as a whole. To make room for new files each year a large number of the older files have to be moved to the storage vault at Maple. While these older files are not in use continually, they are required from time to time, and it is necessary to send messengers for various files quite frequently. There is also a shortage of staff in this section, and as the juniors are also used as messengers for the Department, it has been difficult to maintain good service at all times.

INFORMATION AND EDUCATION SECTION

ORGANIZATION

The Information and Education Section is divided into two co-operative units with a Supervisor in charge of Information and a Supervisor responsible for Education.

Its over-all purpose is to stimulate public interest in, understanding of, and support for the main objective of the Department, which is to protect from depletion and bring about the full development and utilization of the natural resources under its administration, in the best interests of all the people of Ontario.

EDUCATION SECTION

VISUAL EDUCATION

The film "Out of the Smoke" was completed by the end of the year 1950 and copies were distributed to all District offices. This film depicts the salvage operations which were undertaken by the Department following the Mississagi-Chapleau Fire of 1948. During the year 1950-51 the following films were added to our library for use of both Head Office and field personnel:

| | |
|--------------------------|------------------------------------|
| Trees are a Crop | Management of Men on the Fire Line |
| Shotgun Shooting and How | Then It Happened |
| Green Harvest | Accidents Don't Happen |
| Loon's Necklace | Gun Dogs |
| Rape of the Earth | Shadows in the Stream |
| Look to the Forest | Sharp Eyes |
| Just a Bunch of Tools | Spearheads in the Sky |
| Use of the Forest | |

EXHIBITS

An important part of the Department's public appeal is carried on across the Province by exhibits, displays and floats. Of the total (64 during the year), ten of these are of major proportions including nationally known exhibitions. Displays at these major exhibits cover a total of over 60,000 square feet of displays.

During the year there were:

| | |
|--------------------------------|----|
| Major exhibits | 10 |
| Sportsmen's Shows | 6 |
| Larger county fairs | 18 |
| Smaller fairs and floats | 34 |
| TOTAL | 64 |

LECTURE TOURS

Prior to April 1st, 1950, the public relations work of the Department was carried on with one Departmental representative doing the work for each Region. In an effort to intensify this work on a broad scale, the senior field officers of each District were given the responsibility of carrying out the public relations activities,

attending meetings and exhibits as speakers and showing the various films depicting the activities of the Department. With the number of Divisional officers at Head Office doing this same work, this means a matter of two hundred officers contacting and speaking to the public instead of the original seven or eight.

In order to assist in this work, each District has been equipped with a 16 mm. sound projector, a 35 mm. slide projector, films and screens during the past year. Besides these officers working for the Department, we also have a force of approximately two hundred Conservation Officers who, along with their normal duties, attend all exhibits and often visit schools and private groups to discuss with them the problems of protection regarding fish and game conservation.

At the same time the Canadian Forestry Association's Ontario Branch was partially subsidized by this Department to the extent of \$4000 and two trucks with complete lecture tour equipment. This nationally known organization took up the lecture tour work in the schools with vigour and a summary of their tours appears as an appendix to the Department tours listed below.

The following table shows a summary of lecture tours for the period April 1st, 1950 to March 31st, 1951.

TABLE No. 21

| REGION AND DISTRICT | SCHOOL MEETINGS | | PUBLIC MEETINGS | | TOTAL | |
|---------------------|-----------------|------------|-----------------|------------|-------|------------|
| | NO. | ATTENDANCE | NO. | ATTENDANCE | NO. | ATTENDANCE |
| WESTERN | | | | | | |
| Kenora | | | | | | |
| Fort Frances | | | | | | |
| Sioux Lookout | 1 | 52 | 2 | 50 | 3 | 102 |
| MID-WESTERN | | | | | | |
| Port Arthur | 195 | 16,628 | 96 | 5,702 | 291 | 22,330 |
| Geraldton | 11 | 962 | 3 | 206 | 14 | 1,168 |
| CENTRAL | | | | | | |
| Sault Ste. Marie | 29 | 8,707 | 55 | 5,996 | 84 | 14,703 |
| Sudbury | 3 | 255 | 21 | 1,343 | 24 | 1,598 |
| Chapleau | 15 | 1,888 | 15 | 737 | 30 | 2,625 |
| Gogama | 4 | 333 | 9 | 513 | 13 | 846 |
| North Bay | 10 | 930 | 39 | 2,936 | 49 | 3,866 |
| White River | 1 | 80 | 3 | 68 | 4 | 148 |
| NORTHERN | | | | | | |
| Kapuskasing | | | 11 | 1,545 | 11 | 1,545 |
| Cochrane | | | | | | |
| Temiskaming | 4 | 620 | 17 | 1,313 | 21 | 1,933 |
| SOUTH CENTRAL | | | | | | |
| Parry Sound | 92 | 3,708 | 67 | 3,847 | 159 | 7,555 |
| Algonquin Park | 3 | 180 | 12 | 1,437 | 15 | 1,617 |
| SOUTH-EASTERN | | | | | | |
| Rideau | 42 | 8,353 | 107 | 10,428 | 149 | 18,781 |
| Quinte | 7 | 1,213 | 27 | 2,941 | 34 | 4,154 |
| Trent | 9 | 910 | 37 | 2,403 | 46 | 3,313 |
| SOUTH-WESTERN | | | | | | |
| Lake Simcoe | 186 | 23,801 | 210 | 20,954 | 396 | 44,755 |
| Lake Huron | 37 | 4,694 | 62 | 4,864 | 99 | 9,558 |
| Lake Erie | 26 | 7,097 | 120 | 8,567 | 146 | 15,664 |
| TOTALS | 675 | 80,411 | 913 | 75,850 | 1,588 | 156,261 |

C.F.A. MEETINGS for the year 1951.

LECTURES—1241

ATTENDANCE—128,152

PHOTOGRAPHY

Cameras are supplied to all Divisions and District Offices for record purposes.

Two professional photographers cover the procuring of activity photographs which are used for all departmental publications, in Sylva, and for distribution to newspapers and periodicals (news and technical), across the Province.

A complete cross-indexed filing system is maintained for all photographs. Photographs are indexed under each Divisional activity.

In the year 1949 over 13,000 8 x 10 prints were processed in this section. In 1950 this was nearly doubled with 25,000 prints being turned out.

This section has also undertaken the cataloguing of 35 mm. film slides for use in the public relations activities of the Department.

16 mm. colour motion films are being produced, the first one—completely photographed by Department personnel—being "Out of the Smoke", issued in 1950.

INFORMATION SECTION

PUBLICATIONS

During the year under review a vacancy in the staff handling publications slowed up the work of production. Despite the handicap, however, the following publications were completed.

Minister's Annual Report—(Booklet)
Six Issues Departmental Magazine—(Booklet)
Planning for Tree Planting—(Booklet)
Care and Planting of Trees—(Booklet)
Lands for Settlement—(Booklet)
Reforestation and Woodlot Management—
(Booklet)

Game and Fisheries Act—(Booklet)
Three Manuals Timber Management—
(Booklets)
Administrative Division Chart—(Chart)
Timber Management in Ontario—(Booklet)
Statutes Administered by the Department—
29 Acts—(Loose-leaf volume)

The following publications are in some stage of preparation or revision:

Ontario Forest Atlas
Lefax Statistics
Reports by Professor Matthews
Revised Administrative Acts
Forest Protection Booklet

Wildlife Booklet
Two Manuals of Timber Management
One issue of the Department's Magazine
Minister's Annual Report

PUBLICITY

The term publicity is used here to describe that part of the work by means of which the public is kept informed concerning departmental administration and educated through such media as the press, outside publications, radio, exhibits, and signs and posters. Activities during the year were as follows:

PRESS

The Weekly News Release known as "Conservation Corner" was issued regularly every week to all of the newspapers in the Province, as well as to Radio Stations, Outdoor Writers, Game and Fish Protective Associations and a miscellaneous list of interested conservationists and house organs. It approximates 2,000 words per

issue and consists, for the most part, of reports on departmental activities, changes in the Acts, particularly the Game and Fisheries Act, open seasons for hunting, fishing and trapping and conservational appeals for the protection of the resources.

Our records show that it is serving a most useful purpose and its acceptability rating has considerably increased. The average weekly column space being used by newspapers throughout the Province is now from eight hundred to one thousand column inches or approximately forty to fifty full news columns.

In addition to the regular News Release some twenty-nine press releases on matters of more or less urgency were issued to the metropolitan dailies and wire services. The Section clipping file now totals three hundred and two individual files with an estimated twenty thousand clippings per year.

ARTICLES

A number of articles were provided to newspapers issuing special editions, and considerable assistance given to writers seeking information for feature articles.

RADIO

The Information Section prepared three long radio scripts and provided material for a number of short scripts and announcements. In addition a great deal of coverage was provided by radio stations throughout the Province as a result of the regular news service.

PHOTO RELEASES

During the year some fourteen photo release stories, with an average of seven photographs per release, were prepared and issued to the press.

ADVERTISEMENTS

Copy was supplied for forty-three paid Display Advertisements in magazines and newspapers during the year. They varied from one-quarter page to full page advertisements, mostly in black and white with art work or photos. Each stressed the need for public co-operation in preventing forest fires and conserving the resources.

Administrative advertisements to the number of one hundred and twenty-seven were also inserted in newspapers throughout the Province.

POSTERS AND SIGNS

The distribution of posters and signs to district offices was continued and the following posters reprinted:

Extract Game and Fisheries Act
Forest Fires Are Caused By—
Look Before You Leave
Notice—this is the property of—

Notice to Settlers
Prevent Forest Fires (2)
This Forest Area Closed
Trees for Tomorrow

MISCELLANEOUS PUBLICITY MATERIALS

Available supplies of pencils, rulers, and whetstones, each of them bearing a conservation appeal, were distributed to organized groups in large numbers.

CORRESPONDENCE

An average of six hundred routine requests for information or publications was handled monthly. These are in addition to a fairly large number of (personal and written) requests for information requiring considerable research or special attention.

PERSONAL ENQUIRIES

The section also handled a large number of telephone calls daily and interviewed a considerable number of callers seeking first hand information or publications.

TABLE No. 22

LIST OF DEPARTMENT PUBLICATIONS FOR DISTRIBUTION

ACCOUNTS

Accounting for Logging Operations.

AIR SERVICE

Wings Over the Bush.

FISH AND WILDLIFE

The Game and Fisheries Act and Regulations
Extracts from the Game and Fisheries Act
and Regulations (posters).

Game Birds Need Cover on Your Farm.

Alternate Closure of Lakes in Algonquin
Park.

Chapleau Crown Game Preserve.

Prairie Chickens in Ontario.

Fluctuations in Populations.

The Cormorant in Ontario.

Registered Traplines (Mimeographed).

A Survey of the Aquatic Vegetation on
Whitewater (Mimeographed).

Description of Wisconsin Pheasant Release
(Mimeographed).

Care and Handling of Pheasant Chicks
(Mimeographed).

Winter Feeding of Pheasant Chicks
(Mimeographed).

Advance Report on Wildlife Conditions in
Lambton County (Mimeographed).

Report on Wildlife Survey in Durham
County (Mimeographed)

FOREST PROTECTION

Forest Fires Prevention Act and
Regulations.

Yes, We Fight Forest Fires.

Forest Protection Manual.

LANDS AND RECREATIONAL AREAS

Lands for Settlement in Ontario.

Summer Resort Lands in Ontario.

The Natural History of Algonquin Park.

Algonquin Provincial Park.

Rondeau Provincial Park.

Come to Quetico.

Parry Sound Forest District.

Sault Ste. Marie Forest District.

Sudbury Forest District.

Kenora Forest District.

Fort Frances Forest District.

North Bay Forest District.

Cottage Sites on Crown Lands.

REFORESTATION

Know Your Forest Trees.

Reforestation and Woodlot Management.

Planning for Tree Planting.

Care and Planting of Forest Trees.

Forest Trees of Ontario.

The Farm Woodlot.

Forest Tree Planting.

Reforestation in Ontario.

SURVEYS AND ENGINEERING

List of Geographical Townships in Ontario.

List of Water Powers in Ontario.

List of Lithographed Maps and Plans.

Aerial Surveys in Ontario.

Ontario Surveys and the Land Surveyor.

TIMBER MANAGEMENT

Procedure to Obtain Authority to Cut

Timber on Crown Lands.

System of Forest Cropping.

Manual of Scaling Instructions.

Timber Management Manual—Part I—
Legislation.

Timber Management Manual—Supplement
to Part I.

Timber Management Manual—Part II—

Timber Estimating (Field Work).

Timber Management Manual—Part III—

Timber Estimating (Compilations).

Timber Management Manual—Part IV—

Timber Markings for Special Cutting
Operations.

Timber Management Manual—Part V—

Methods of Stumpage Appraisal.

Timber Management Manual—Complete Set
comprised of five parts.

Crown Timber Regulations.

GENERAL

Algonquin Story.
Administrative Chart.
Annual Report of Minister of Lands and
Forests.
Bibliography of Canadian Biological
Publication 1946.
Building with Mud.
Complete set of 29 Acts Administered by
Department—Loose-leaf with leather
binder or without binder.

Law Enforcement Guide and Related
Subjects.
Definitions of Important Branches of
Forestry.
Forest Spraying and Some Effects of DDT.
Glacial Pot Hole Area, Durham County.
Indians of Ontario.
Ontario Forest Atlas.
The History and Status of Forestry in
Ontario.
SYLVA, The Lands and Forests Review,
six times per year.





Division of Reforestation



DIVISION OF REFORESTATION

EXTENSION FORESTRY

The increased staff of Zone Foresters has made it possible to complete a survey of markets for woodlot products. Local market directories have been supplied to each District, and a general directory is retained in Head Office.

A high percentage of private planting sites, and many private woodlots, were inspected. A favourable response to this service was received from landowners.

A survey of survival in private plantations was completed. Survival of some species was low. This emphasizes the importance of the policy of inspecting private planting sites.

NURSERIES

Development of the new nursery areas at Saint Williams, Midhurst and Orono continues. The use of chemicals for the purpose of weeding seed beds and transplant beds was initiated, and in general gave promise of reduced costs on this operation.

Trees of a Department planting at St. Williams.



MUNICIPAL FOREST MANAGEMENT

The area of Authority and Municipal Forests under Agreement increased this year by 8,837.02 acres, to 75,628.97 acres. Working plans for woodlots, with the resultant cut regulation figures, were completed for six County Forests.

In addition to other products, over 1,500 cords of pulpwood were sold from Municipal Forests under Agreement.

TREE DISTRIBUTION

The following tables furnish details.

SUMMARY OF TREES DISTRIBUTED
1950 (JULY 1, 1949 TO JUNE 30, 1950)

| | TOTAL SHIPMENTS | CONIFERS | HARDWOODS | TOTAL TREES |
|-----------------------------|--------------------|------------|-----------|----------------|
| PRIVATE LANDS: | | | | |
| Reforestation and | | | | |
| Windbreaks..... | 8,019 | 11,304,537 | 1,365,099 | 12,669,636 |
| School Children | 11 | 51,055 | 3,096 | 54,151 |
| SEMI-PUBLIC PROPERTIES..... | 137 | 218,452 | 54,516 | 272,968 |

Continued on Next Page

Mechanical Tree planters in operation at Midhurst.



| | TOTAL SHIPMENTS | CONIFERS | HARDWOODS | TOTAL TREES |
|----------------------------------|--------------------|-------------------|------------------|-------------------|
| MUNICIPAL PROPERTIES: | | | | |
| Municipal Forests..... | 113 | 2,776,775 | 239,425 | 3,016,200 |
| Forest Plantations..... | 56 | 316,885 | 27,046 | 343,931 |
| Roads..... | 33 | 195,525 | 3,975 | 199,500 |
| School Demonstration Plots... | 97 | 67,741 | 14,229 | 81,970 |
| Conservation Authorities..... | 19 | 403,200 | 79,400 | 482,600 |
| Sundry..... | 17 | 13,355 | 11,220 | 24,575 |
| PROVINCIAL CROWN LANDS: | | | | |
| Lands and Forests..... | 42 | 1,026,205 | 20,905 | 1,047,110 |
| Highways..... | 8 | 48,000 | 30,050 | 78,050 |
| Commissions..... | 6 | 155,900 | 64,450 | 220,350 |
| Sundry..... | 23 | 60,460 | 8,350 | 68,810 |
| DOMINION CROWN LANDS..... | 29 | 139,007 | 91,465 | 230,472 |
| SUB-TOTALS | 8,610 | 16,777,097 | 2,013,226 | 18,790,323 |
| EXTRANEOUS | 40 | 160,439 | 77,045 | 237,484 |
| TOTALS..... | 8,650 | 16,937,536 | 2,090,271 | 19,027,807 |

Water sprayers in action over seedling beds at Orono.



NUMBER OF TREES DISTRIBUTED EACH YEAR — 1941-1950

| | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Conifers | 10,946,196 | 9,480,743 | 8,434,371 | 9,232,205 | 9,649,424 | 11,532,856 | 10,626,943 | 11,402,435 | 15,816,796 | 16,937,536 |
| Hardwoods | 2,327,438 | 1,621,904 | 1,896,198 | 1,767,174 | 1,631,557 | 1,642,719 | 1,642,500 | 1,647,341 | 1,884,174 | 2,090,271 |
| Cuttings | 237,665 | 200,540 | 192,348 | | | | | | | |
| TOTALS | 13,511,299 | 11,303,187 | 10,522,917 | 10,999,379 | 11,280,981 | 13,175,575 | 12,269,533 | 13,049,776 | 17,700,970 | 19,027,807 |

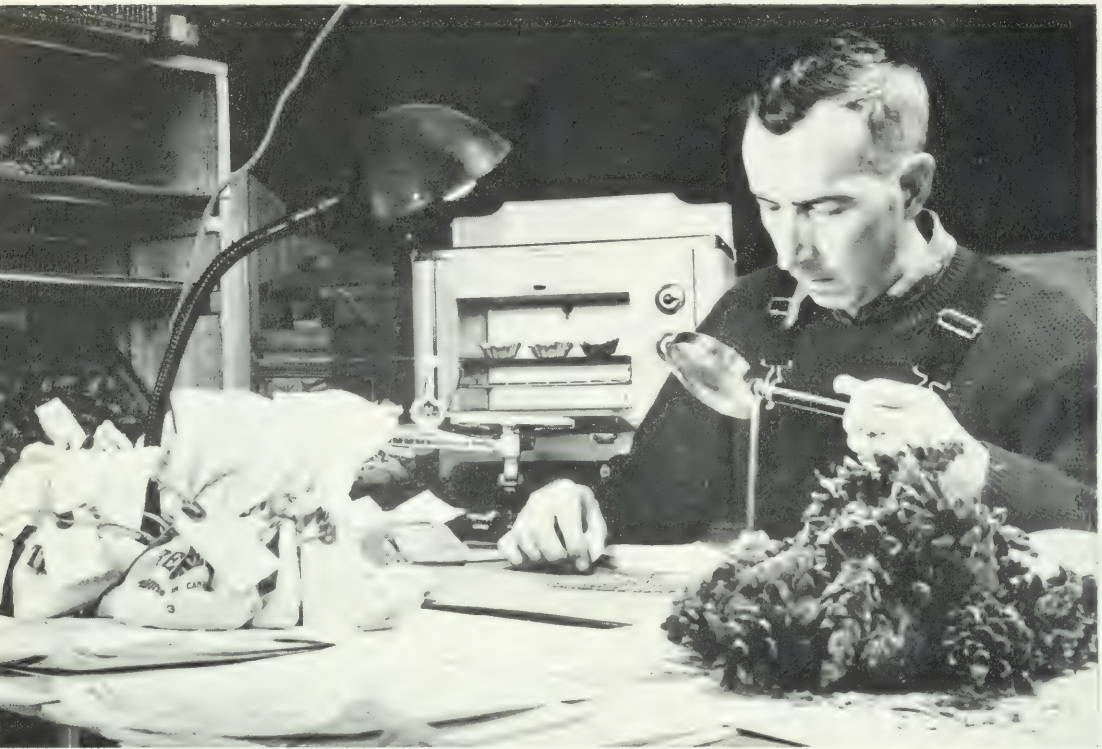
COUNTY FORESTS

MARCH 31, 1951

| | |
|---------------------------|-----------------|
| Bruce | 13,628.75 acres |
| Dufferin | 1,707 acres |
| Durham and Northumberland | 4,395 acres |
| Grey | 4,406.75 acres |
| Lanark | 2,100 acres |
| Leeds and Grenville | 3,704.66 acres |
| Ontario | 1,353 acres |
| Prescott and Russell | 17,269.77 acres |
| Simcoe | 11,113.55 acres |
| Victoria | 5,964.50 acres |
| York | 3,354.99 acres |
| | 68,997.97 acres |

CONSERVATION AUTHORITIES

| | |
|-----------------------|-----------------|
| Ganaraska | 4,997 acres |
| Upper Thames | 1,634 acres |
| | 6,631 acres |
| Total under Agreement | 75,628.97 acres |



Counting pelleted seed at reforestation seed plant at Angus.

TREES DISTRIBUTED TO PRIVATE LANDOWNERS
(JULY 1, 1949 TO JUNE 30, 1950)

| COUNTY OR DISTRICT | APPLICANTS | CONIFERS | HARDWOODS | TOTALS |
|--------------------|------------|-----------|-----------|-----------|
| Algoma..... | 36 | 45,830 | 1,206 | 47,036 |
| Brant..... | 172 | 189,601 | 34,095 | 223,696 |
| Bruce..... | 189 | 165,650 | 23,098 | 188,748 |
| Carleton..... | 96 | 69,490 | 9,429 | 78,919 |
| Cochrane..... | 7 | 7,750 | 200 | 7,950 |
| Dufferin..... | 103 | 238,880 | 16,429 | 255,309 |
| Dundas..... | 17 | 32,025 | 6,625 | 38,650 |
| Durham..... | 237 | 1,146,158 | 30,286 | 1,176,444 |
| Elgin..... | 222 | 318,236 | 51,838 | 370,074 |
| Essex..... | 128 | 92,389 | 17,414 | 109,803 |
| Frontenac..... | 79 | 50,499 | 11,523 | 62,022 |
| Glengarry..... | 22 | 22,610 | 2,175 | 24,785 |
| Grenville..... | 31 | 32,197 | 2,939 | 35,136 |
| Grey..... | 275 | 304,075 | 34,748 | 338,823 |
| Haldimand..... | 117 | 78,162 | 36,921 | 115,083 |
| Haliburton..... | 66 | 111,200 | 5,483 | 116,683 |
| Halton..... | 179 | 160,269 | 38,718 | 198,987 |
| Hastings..... | 116 | 164,390 | 7,792 | 172,182 |
| Huron..... | 134 | 113,134 | 49,747 | 162,881 |

Continued on Next Page

| COUNTY OR DISTRICT | APPLICANTS | CONIFERS | HARDWOODS | TOTALS |
|----------------------------|------------|------------|-----------|------------|
| Kenora | 6 | 6,450 | — | 6,450 |
| Kent | 84 | 90,533 | 9,877 | 100,410 |
| Lambton | 124 | 96,986 | 23,415 | 120,401 |
| Lanark | 67 | 107,950 | 2,711 | 110,661 |
| Leeds | 64 | 45,774 | 5,766 | 51,540 |
| Lennox and Addington | 65 | 67,817 | 7,178 | 74,995 |
| Lincoln | 73 | 37,530 | 5,134 | 42,664 |
| Manitoulin | 13 | 283,150 | 2,800 | 285,950 |
| Middlesex | 359 | 318,838 | 60,833 | 379,671 |
| Muskoka | 151 | 364,094 | 25,075 | 389,169 |
| Nipissing | 30 | 76,917 | 2,876 | 79,793 |
| Norfolk | 489 | 818,929 | 101,838 | 920,767 |
| Northumberland | 111 | 237,038 | 22,185 | 259,223 |
| Ontario | 208 | 688,420 | 95,797 | 784,217 |
| Oxford | 211 | 178,066 | 47,265 | 225,331 |
| Parry Sound | 131 | 333,506 | 3,473 | 336,979 |
| Patricia | — | — | — | — |
| Peel | 314 | 348,680 | 56,353 | 405,033 |
| Perth | 152 | 104,705 | 67,199 | 171,904 |
| Peterborough | 142 | 208,276 | 11,958 | 220,234 |
| Prescott | 17 | 26,015 | 8,020 | 34,035 |
| Prince Edward Island | 45 | 39,630 | 5,560 | 45,190 |
| Rainy River | 7 | 6,310 | 450 | 6,760 |
| Renfrew | 58 | 103,743 | 3,122 | 106,865 |
| Russell | 11 | 8,740 | 955 | 9,695 |
| Simcoe | 744 | 1,642,955 | 120,838 | 1,763,793 |
| Stormont | 17 | 20,500 | 3,225 | 23,725 |
| Sudbury | 24 | 25,284 | 3,039 | 28,323 |
| Thunder Bay | 37 | 69,153 | 320 | 69,473 |
| Temiskaming | 16 | 10,610 | 1,195 | 11,805 |
| Victoria | 139 | 99,460 | 11,531 | 110,991 |
| Waterloo | 188 | 154,451 | 25,569 | 180,020 |
| Welland | 126 | 114,378 | 21,588 | 135,966 |
| Wellington | 120 | 176,382 | 52,876 | 229,258 |
| Wentworth | 241 | 207,756 | 34,969 | 242,725 |
| York | 1,119 | 842,966 | 139,443 | 982,409 |
| TOTALS | 8,019 | 11,304,537 | 1,365,000 | 12,669,636 |





Division of Research



DIVISION OF RESEARCH

GENERAL INTRODUCTION

As the Research Division is concerned with the solution of certain problems of forest protection, forest management, reforestation, and fish and wildlife management, reference is made to projects in the following, under these headings.

Forest Protection: The research work in this connection is largely of a mechanical nature, concerned with the improvement of present and the design of new forest fire fighting equipment. The main object is to take the load off the fire fighter's back, and to permit the effective use of mechanical power on the fire line. Examples of equipment developed along these lines are the Pack Tractor and the Easifill fire fighter's pack tank.

Forest Management: The problems which are given to the Research Division for solution are those of forest reproduction of some species after logging and fire, and of timber growth rate. Studies are made of the reproduction and growth of the most important commercial species in the various regions across the province and experiments are established to prove the findings. As environment has an important relationship, soil, climatic and silvicultural studies are integrated.

Reforestation: Research projects include the study of seeds, seeding methods, and the production of new and better varieties of trees. The study of seeds aims to improve the production of seed of various tree species to assure a steady supply instead of the widely fluctuating provision of natural forests. The object of the seed treatment studies is to improve germination and survival and to provide seeding devices as a means of reforestation. Examples of mechanical aids in reforestation which have been developed at the Station are the Infra-red Seed Extractor and the Walking Stick Seeder. Two important tree breeding projects are proceeding, one with white pine and the other with poplars. The first is designed to produce a white pine resistant to blister rust and weevil, and the second to produce a poplar of rapid growth, high quality wood, and resistant to disease.

Fish and Wildlife Management: The objectives are the provision of information necessary for the management of fish and wildlife, and, hence, the improved production of game and commercial fish, and game and fur-bearing animals. The study of the relationship of fish, birds and mammals to their environment is an integral part of the programs. Environmental relationships are being investigated through field studies of habits and behaviours—food habits, habitat requirements, and the incidence of parasites and disease. Populations are subject to periodic changes from scarcity to plenty, and often since one species is dependent on others for food, a decline in one may be accompanied by a decline in others dependent on it.

CO-OPERATIVE AGENCIES

The research work conducted both at the Station and in the field is characterized by a high degree of co-operation between the Research Division of the Department and other research organizations, such as those of the Government of Canada, the universities, the Research Council of Ontario and the Ontario Research Foundation. Close co-operation also exists between the Division of Research and the forest industries, commercial fishermen and hunting and fishing groups, both in the initiation of and the carrying out of research projects.

STAFF

At the 31st March, 1951, the Division of Research staff consisted of 37 permanently and 16 casually employed personnel. The following list shows their occupations, headquarters and project categories.

| | PERMANENT | CASUAL |
|-----------------------------------|---|--|
| Head Office, Toronto..... | 1 Division Chief 1 Statistician 1 Clerk Steno. | |
| Southern Research St'n..... | 1 Director 1 Head Clerk 1 Librarian 1 Office Appliance Operator | |
| Property Maintenance..... | 1 Property Supt. 3 Mechanics 2 Truck Drivers | 1 Carpenter 1 Switchboard Op. 1 Labourer 2 Cleaners 1 Night Watchman |
| Fisheries..... | 2 Biologists 1 Lab. Asst. | |
| Wildlife..... | 2 Biologists 1 Lab. Asst. 1 Clerk | 2 Biologists |
| Silviculture and Soils..... | 1 Chief Soil Specialist 3 Foresters 1 Chemist 1 Photogrammetrist 1 Lab. Asst. | 1 Botanist 1 Forester |
| Tree Breeding..... | 1 Forester 1 Greenhouse Foreman | |
| Mechanical..... | 1 Mechanical Engineer 1 Machinist 1 Draughtsman | |
| Algonquin Park Fisheries Lab..... | 1 Biologist 1 Lab. Asst. | 1 Biologist |
| South Bay Fisheries Lab..... | | 2 Biologists |
| Regional Staff..... | 2 Foresters | 1 Forester |
| Dom. Pathology Laboratory..... | 1 Forester | 1 Forester |
| University of Toronto..... | | 1 Entomologist |
| TOTAL..... | 37 | 16 |

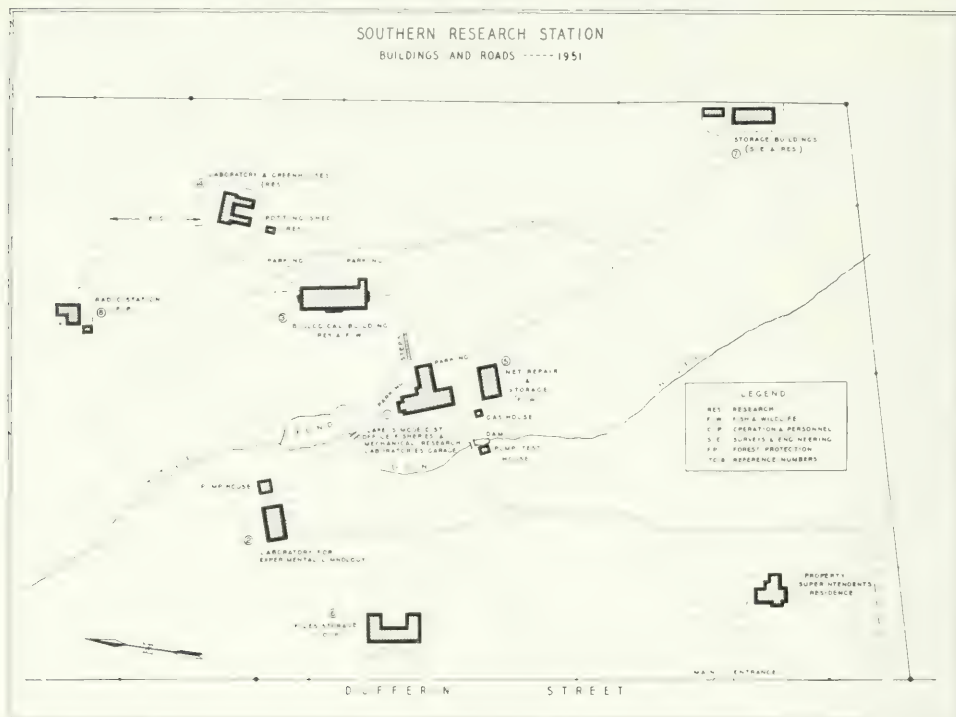
SOUTHERN RESEARCH STATION

A Quonset storage building was completed during the year and the new biological research building was nearing completion at the close of the year. For permanent record purposes the following description of the station is included in this report.

Location: The station property is located approximately eighteen miles north of Toronto on Dufferin Street just north of the road between Maple and Richmond Hill.

Property: The site was chosen because it is marginal farm land suitable for forest use, far enough away from city influences and expansion. The property in 1951 is one hundred acres in area, thirty acres of which were purchased in 1944, and seventy acres in 1947.

Buildings: Since the start of construction in 1944, nine buildings have been erected to date of 1951. Only two of these buildings are occupied wholly by research staff.



Three others are used exclusively by other Divisions of the Department; two are shared between the Research Division and the Lake Simcoe District Office, and one is the property superintendent's residence. In addition to these nine buildings there are five smaller structures, including a pump house for station water supply, a pump test and gas house, two garages and a potting shed for the greenhouse.

In the following a brief description is made of the various buildings with regard to occupancy and use. The numbers given refer to those noted on the Station plan.

Reference No. 1: This building is now occupied by the mechanical research section; part of the fisheries research group; the property superintendent's office; the vehicle repair garage; and the Lake Simcoe District office. In explanation of the latter it may be noted that the province is divided for administrative purposes into twenty-two districts of which the Lake Simcoe District is one.

Reference No. 2: The Laboratory for Experimental Limnology is used exclusively for fisheries research, carried on under co-operative arrangement with the University of Toronto.

Reference No. 3: Biological Research building space is used in a proportion of about one-third by the Division of Fish and Wildlife and two-thirds by the Division of Research. The Division of Research quarters include a wildlife laboratory, a silvicultural laboratory and a chemical laboratory, a draughting room, a library, two

refrigeration rooms, and a number of offices. The Division of Fish and Wildlife has a large laboratory and a number of offices and other rooms. A lunch room, a carpentry shop and several other work shops occupy the balance of the space.

Reference No. 4: The greenhouse is used entirely for tree breeding and silvicultural research.

Reference No. 5: This building was originally a research garage and chemical laboratory but is now wholly used as net and boat storage space by the Division of Fish and Wildlife.

Reference No. 6: This building is a storage vault wholly used for permanent record files of the Department in the custody of the Division of Operation and Personnel.

Reference No. 7: This is a steel Quonset building used for storage of equipment of the Division of Surveys and Engineering and of the Division of Research.

Reference No. 8: This is the central radio station of the Department. It reaches all district offices and is connected by telephone and teletype to the head office in the Parliament Buildings. It is operated by the Division of Forest Protection. Living accommodation for the operator is provided in the building.

MECHANICAL RESEARCH

Various projects since 1945 have produced tools and equipment for many branches of the department, but the major developments have been in the field of forest protection and reforestation.

Brief descriptions will be given of some of the major devices made or in production. The first is the "Pack Tractor".

The "Pack Tractor" or "creep" was first suggested at a meeting of regional foresters with representatives of the Research Division and a consultant from industry. This meeting was held after the Mississagi fire and the foresters were asked what piece of fire fighting equipment they would most like to have. The answer was something that would get power on to the fire line and that would take the load from the fire fighter's back in covering the last mile or so from air, road or rail transport to the fire. The pack tractor was built in answer to this demand.

It is a crawler or track laying vehicle, five and one-half feet long, two and one-half feet wide and three and a third feet high, and weighs six hundred and fifty pounds. It will carry its own weight through the bush with little trail cutting. It can be broken down into six pieces each weighing no more than one hundred and thirty pounds for handling by air transport although the whole machine could be contained in a Beaver airplane cabin. The machine may be knocked down or re-assembled by one man in ten minutes.

By the end of 1951 it is expected that this tractor will be produced commercially.

In order to reduce labour, time and cost in forest tree nursery and planting practices, a special drive has been made towards mechanization, to which research has contributed. Two such devices are the seedling lifter and root pruner, both of which may be mounted on a large tractor. A steel blade penetrates the ground to a depth of six inches across the full width of the seedling bed. The seedling lifter

loosens the soil so that seedlings may be lifted out easily, either for transplanting or direct shipping while the root pruner cuts the roots a few inches below the surface and stimulates the formation of a compact root growth.

In order to improve the yield of forest tree seeds, a pilot plant was built in 1947 which applied infrared heat to cones. Tests showed better and faster results than the old method and the pilot plant was moved to the provincial seed extraction plant at Angus where it has been in operation for three years. Tests are continuing there on red pine, for which this method appears well adapted.

A seeding probe or "walking stick" seeder was built for direct seeding of forest trees wherever this method is possible or practical. This device is hand operated and light in weight. It punches a hole in the ground and drops a single seed. It is designed to handle coated seeds because they are uniform in size and can be dispensed readily one at a time. Naked seed of some species can be used though not with the same precision, and several seeds may be dropped at once.

A number of other projects have been or are being carried on including the following: the "Easifill" fire fighter's pack can, which may be quickly and easily filled in very shallow water; a mechanically operated fire hose folder and a fire line digger; tests of hose for resistance to wear and decay; an aerial seeder for dispensing forest tree seed from airplanes; tests of carboloy and stellite — treated and untreated cutting tools to keep tools sharp for a longer time.

SEED STUDIES

Seeding Habit of Red Pine: This project continues under the direction of Dr. George Duff, who began this work in 1946. The main object of the work is to gain an understanding of the factors controlling the production and behaviour of forest tree seed. The red pine has been chosen as the first species to be investigated because seed production of this important reforestation tree is very erratic. Field headquarters for this investigation is at Angus, and the work is done mainly on trees in the plantations of Simcoe County (Angus, Camp Borden, Midhurst and Craighurst) and at Chalk River.

In the study during 1950 of factors controlling cone production the chief point of interest lay in the heavy premature seed production of young trees in the Craighurst plantation. The pattern of growth exhibited by the bearing trees in contrast with the barren specimens was investigated, and the correlation of this with the topographical and soil conditions in the stand is being determined. The first attempt was made in 1950 to influence growth and cone production by the application of growth hormones to trees in several of the plantations.

In the study of factors restricting seed production in formed cones, work on insects infesting cones was begun by the Forest Insect Laboratory and will be reported elsewhere. The occurrence of aborted and hollow seed was found to be substantial, and the causes appear to be complex.

Work on the optimum conditions for seed production in culture continued. Experimental plots have been prepared by thinning existing plantation stands as they reached various stages of density. There are now plots of thirty, twenty and

fifteen years of age and plots of mixed ages in which the growth pattern of the trees before and after liberation is being recorded. The time and manner in which the trees become productive will be determined. Additions were made to the nursery collection of young trees which are the progeny of highly productive parents. These trees will be set out permanently on sites to be chosen within the next three years.

SEED TREATMENT

The coating or pelleting of seeds for use in mechanical seeders still continues at the Southern Research Station, and the process has been perfected to a point where a specially designed seeder (the Brohm Seeder) has been completed to use these pellets for actual seeding operations in the forest where such an operation is feasible. The other aspects of coating, such as the addition of fungicides, rodent and insect repellents, fertilizers and hormones, are still being studied with reasonable prospects of ultimate success. Experimental seeding operations are being conducted in the Port Arthur district and Manitoulin Island, in co-operation with pulp and paper companies.

FOREST TREE BREEDING

Work continued during the year in the three main projects: White Pine, Poplars, and the Arboretum.

Research workers adjusting pump on plankton sampler.



White Pine: As in former years efforts were concentrated in this project on the assembling of breeding materials and their testing and evaluation.

With better facilities and new techniques it was possible to expand greatly the grafting of white pine and improve the quality of the results. Much new and valuable material has been assembled in this way.

An experiment revealed that it is definitely possible to infect seedlings with blister rust during their first year in the seed beds.

A small plantation of black currants was established in a low, sheltered cleared spot in partial shade to provide inoculum for infection in the fall, when the occurrence of dry weather destroys most of the currant leaves.

Outside grafting, developed in 1948 and perfected in 1949, was used for mass propagation of some Mugo pine and Japanese red pine (*Pinus densiflora*) which were grafted into the plantation of Scotch pine established in the fall of 1947. Scions were also collected from some seedlings of *Pinus cembra* growing at Angus and successfully grafted into the crown of a mature white pine at Maple. This experiment is to investigate Burbank's method of inducing early flowering, and determine whether it may be applied to white pine and related species.

The artificial hybridization undertaken in 1949 in the plantation at Pointe Platon in Quebec yielded some 3000 presumably hybrid seeds. This is the first time that hybrid white pine seeds have been obtained with both parents resistant to blister rust.

The breeding work carried out with white pine at the Southern Research Station has now grown to such an extent and produced such results that it begins to receive international recognition. In recent years visitors to the Station from the United States, Sweden, France, Denmark, Norway and Finland have commented very favourably on the achievements.

Poplar: In work with the aspen group it has been possible to gradually assemble a fairly large collection of silver poplar materials from several parts of its native and cultivated range in Europe. Most of this has been propagated up to a volume which makes it possible to start a fairly comprehensive rooting capacity test from stem cuttings.

Following the promising results of budding in 1949, new budding material was collected on a fairly large scale at Harvard Forest where a good collection of native aspens from a wide range of localities is available.

Work with induction of early flowering by using the dwarf variety of trembling aspen occasionally found in southern Ontario is beginning to yield tangible results.

Poplar hybridization was again undertaken on a fairly large scale, using mostly pollen of European aspen.

Arboretum: Efforts are now concentrated on building up an extensive breeding arboretum of white pine and poplars.



Experimental scarification and sowing of yellow birch.

FOREST GROWTH

Measurement of hardwoods in Peninsular Ontario was continued during the summer of 1950. The purpose is to provide tables that will enable woodlot owners to estimate the volume of material that might be removed from their woodlots. Tables for sugar maple and beech were completed during the first part of 1950. Not enough data had been collected for other species until the 1950 field work was completed. Work on tables for white elm and soft maple was then begun and completed early in 1951. Other features of tree growth and tree volume were investigated as the volume table work progressed.

FOREST SOILS

Work in soils research is under the direction of Mr. G. A. Hills.

Forest Site Regions and Landform Patterns: Information secured during 1950 in the Kenora and Patricia areas completed a reconnaissance of the province commenced in 1944 with the object of preparing a site region map. This map, with a description of the site regions, demonstrates the application of the recently devised site classifications to Ontario conditions. These site regions will provide a better basis for the study of forest regeneration, growth and yield, and silvicultural tests leading to the application of improved forest management practices.

Reference Areas for the Identification of Basic Sites: In 1950 field parties selected and examined in detail areas in various parts of the province which will have soils and sites mapped in detail and may be used by foresters and others to assist them in the recognition of various basic sites. These basic sites are recognized as a combination of,

1. Topographic features, elevation and aspect that determine local climate;
2. Ground-water and soil profile features determining soil moisture regime; and,
3. Texture and structure of soil and geologic materials determining the movement and retention of water available to plant roots.

Reference areas have been established in the Thunder Bay, Muskoka and Parry Sound districts and Haliburton County; in the Petawawa Management Unit; in five County Forests, and at Orono nursery.

Ecoclimatic (local climate) Studies: Twenty-one stations were set up at the University Forest in Haliburton County to study differences in soil and vegetative development on various physiographic positions. Daily measurements of air temperature, evaporation, sunshine and rainfall were recorded close to the ground surface.

Laboratory Analysis: The work of analysing representative soil samples secured by field parties was continued at the Southern Research Station. Field samples obtained in 1951 will fill the gaps and permit the preparation of a preliminary report on the chemical and physical characteristics of the soils of Northern Ontario.

Greenhouse Studies: The soil requirements of red pine were studied in the greenhouse at the Southern Research Station, using soil samples from Orono nursery. Application of various fertilizers were made to promote a balanced root development and to increase the percentage of survival. Tests of various methods of reducing soil acidity were also conducted.

In addition to the greenhouse work assistance was given in planning an experiment to study the requirements of red pine in relation to growth and disease in the Orono nursery seedbeds.

Assistance was also given in establishing permanent sample plots in Algonquin Park and the University Forest for soils and silvicultural experiments.

Soil Microbiology: Studies in forest soil microbiology were initiated in the University Forest. Arrangements were made to set aside permanent sample plots in the Maple-Hemlock stands from which large samples of surface organic layers were taken for testing of soil fungi development and function.

REGIONAL PROJECTS

South Central Region: General exploratory work was continued with respect to the condition of the white pine, including preliminaries to the setting up of an active research project in the Petawawa Management Unit in co-operation with the Division of Timber Management. It is proposed that the project will include a study of cutting methods to secure adequate regeneration, maximum growth on residual stands and adequate growing stock.

The re-establishment of stands of white pine is one of the most pressing forest problems in Ontario, and investigation is most urgently required.

A long-term study of yellow birch was started in the summer of 1950. The object is to determine what has brought about the poor condition of yellow birch in the western portion of the South-Central Region, and what corrective action may be taken.

Midwestern Region: The work undertaken includes the following projects:

1. Re-examination of the permanent sample plots established in 1948 in the Black Sturgeon Concession of the Great Lakes Paper Company.
2. Re-examination of the permanent sample plots established in 1949 in the Thunder Bay-Nipigon Concession of the Abitibi Power and Paper Company.
3. Establishment and tally of a ten acre plot for statistical analysis of information gathered.
4. Establishment of a spacing plantation.
5. Seed dispersal test.
6. Re-examination of a seeding and planting experiment established in 1947 on the limits of the Central Canada Forest Products, Ltd., Beardmore.

Northern Region: A research forester, E. K. E. Dreyer, was appointed to the region in the spring of 1950, with headquarters at Cochrane. Mr. Dreyer is working along the same lines as the two research foresters already appointed. That is, a study is being made of the means of management applicable to the species indigenous to the various regions. An extensive study of the cutting practices and their effect on black spruce is already under way in Leitch Township.

FOREST PATHOLOGY

The Division continued its co-operative arrangement with the Laboratory of Forest Pathology, Division of Botany, Department of Agriculture, Canada. Two members of the staff of the Division were on loan to this laboratory during the past year.

Several co-operative projects were undertaken, including the following:

Damping-off in Red Pine: In October, 1950, an extensive program was initiated to study the results of applying fertilizers to the soil in which red pine seed were sown at the Orono Provincial Forest Station. The purpose of the experiment is to ascertain whether the addition of fertilizers to the soil will promote vigorous enough growth to the seedlings to throw off attack of damping-off fungi. Soil studies were made, the various materials were applied and a system for the collection and interpretation of the data was developed.

Other co-operative studies, which were reported in some detail last year, were continued, including deterioration of birch, tree damage from atmospheric pollution, and needle blight of white pine. For detailed information on these studies reference should be made to separate reports by Dr. L. T. White, Officer-in-Charge, Dominion Laboratory of Forest Pathology, Toronto.

FOREST ENTOMOLOGY

Dr. C. E. Atwood continued to act in a consultancy capacity. During the past year he made surveys of the following insect outbreaks in various parts of the province:

1. Spruce budworm, in Pembroke and Kenora areas.
2. Larch sawfly, in the Kenora area.
3. Pine-feeding sawflies, in many parts of the province, particularly the Sault Ste. Marie and Quetico areas. The European spruce sawfly was discovered in the latter area, a great extension of its previously known range.
4. Yellow-headed spruce sawfly, general.
5. Miscellaneous insects on spruce and maple.

Dr. Atwood's connection with the Department helped him to maintain contact with graduate students working on a number of projects in forest entomology, to mutual advantage.

The Division continued its co-operative arrangement with the Division of Forest Biology, Department of Agriculture, Canada, with particular reference to the Forest Insect Laboratory, Sault Ste. Marie. Dr. M. L. Prebble, Officer-in-Charge, issues a separate report.

FISHERIES

By co-operative arrangement, Dr. F. E. J. Fry of the University of Toronto continues to direct fisheries research for the Division, with the assistance of N. S. Baldwin, a member of the staff of the Division. During the past year the research program was carried out at three main centres—the Department's Fisheries Research Station at South Baymouth, Manitoulin Island; the Ontario Fisheries Research Laboratory, Algonquin Park, and the Department's Southern Research Station, near Maple.

The South Bay Experiment: The damaging effects of large populations of undesirable or coarse fish on the abundance of more desirable species have become a major concern of both commercial and sport fishing interests. The purpose of the South Bay Experiment is to determine whether a regulated net fishery which removes considerable quantities of coarse fish would increase the production of commercial and game fish. A committee representing all major interests is responsible for the conduct of the experiment. The composition of this committee was outlined in last year's report.

Since the initiation of the experiment in 1947 net catches of the more important coarse fish reached a total number of 554,517, while the catch of valuable species, largely whitefish, totalled 140,797 lbs. The average annual removal of 8 lbs. of coarse fish per acre of water, while believed to be a comparatively high return for these waters, has had no observable effect as yet in reducing their abundance. The net fishery has had neither a favourable or adverse effect on sport fishing.

Age determination of fish by study of their scales has allowed certain predictions in the case of the sports fishery. Lake trout fishing will decline in the next two or three years as there is no evidence of young fish to replace the abundant age group

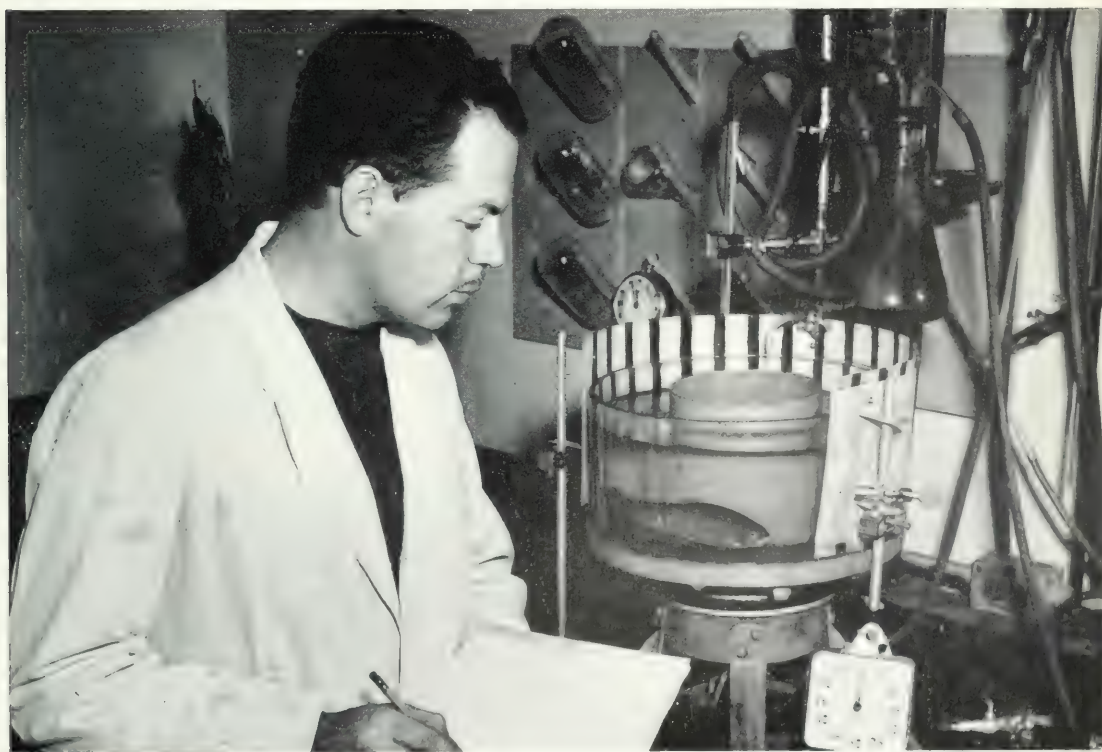
hatched in 1944. This age group, which has provided very attractive fishing in the last two years, is now almost exhausted.

The disposal of fish waste arising from the netting operations is also being studied. Further experiments in handling sucker fillets were carried on last year, and a trial shipment of one ton was sent to a cold storage firm which undertook to test their acceptability in the retail market. Some cooked fillet waste was sold as mink food.

Scientific investigations of the fish populations in South Bay are under the direct supervision of Dr. Fry. Early investigations included biological and hydrological surveys and the development of routine procedures for studying the catches. Information has been collected on the food, growth and egg production of the more important species. Changes in the size and age composition of fish caught are being followed in order to determine the exact effects of the heavy fishing.

Tagging studies have yielded information on a number of important questions. Over 5000 fish were tagged in 1950, almost half of which were whitefish. Recoveries of these fish, and some tagged in previous years, showed extensive migrations of whitefish, following two main routes. The larger group leaves South Bay and enters the northern part of Georgian Bay through the Owen Channel at the south-east corner of Manitoulin Island. The other group moves south across the mouth of Georgian Bay to the west shore of the Bruce Peninsula.

Testing of Toxicity of industrial waste.



Tagging studies also indicated that lake trout movements are largely confined to South Bay. There is evidence that the trout suffered heavily from lamprey predation during the winter, 1949-1950.

Ontario Fisheries Research Laboratory: Co-operative investigation of the factors concerned in lake productivity have been carried on since 1946 by the Department, the Research Council of Ontario and the University of Toronto, under the direction of Dr. R. R. Langford. A number of the projects have been involved, among which are the artificial fertilization of lakes, the analysis of incoming nutrients, chemical analysis of waters and the addition of lime to highly coloured lake waters. In addition, the Department has carried out a speckled trout investigation under the direction of N. S. Baldwin and an investigation of lake trout under N. V. Martin, as well as the Algonquin Park creel census.

Lake Improvement Projects: The addition of chemical fertilizers to increase the productivity of lake waters was commenced in 1946 and continued, with minor changes, in 1950. Microscopic plants and animals, as well as forage fish, showed increases in abundance. Oxygen depletion of bottom water as a result of fertilization during 1950 became more acute. The quantities of fertilizer added are being adjusted in an endeavour to correct this undesirable effect.

The chemical analysis of water entering and leaving the lakes under experiment was continued at the Opeongo laboratory and at the Southern Research Station in order that a "mineral balance sheet" for these lakes may be developed.

In the course of fertilization it was found that certain important chemical substances in the fertilizers became bound to other substances and were not available to the microscopic plants which are the starting point in the food chain. Hydrated lime was added to one lake in 1950 in order to create an alkaline condition which, it was hoped, would release the important elements to the plants. Another object in adding lime was to decolorize the water to allow a deeper penetration of sunlight into the lake. It was hoped that this would increase the microscopic plant populations at lower levels. In addition, Dolomitic limestone was placed in the beds of inflowing streams to give a more lasting effect. The liming of the lake made the water highly alkaline at first, but this condition moderated and by October the lake was only slightly alkaline. There was a 20% decrease in the colour of the upper water, with a comparable increase at lower levels. This indicated a "settling out" of the colour. The higher aquatic plants showed a marked increase in response to this change in conditions.

Algonquin Park Creel Census: For fifteen years the creel census has been following trends in the fishing quality of Algonquin Park lakes. At the same time it has been evaluating such management practices as restocking, lake closure to fishing in alternate years, and lake fertilization. The job of studying the effects of water level manipulation on lake trout spawning was assigned to the creel census of 1950.

The failure of extensive plantings of hatchery-reared speckled trout to improve fishing has been demonstrated by the census. It did show, however, that good results can be obtained when competing fish are first removed by poisoning.

Speckled trout fishing was poorer in 1950 than in the previous two years, but there was some indication that this decrease was due to unfavourable angling conditions rather than to a decrease in the abundance of speckled trout.

Lake Trout Investigation: A knowledge of the movements of lake trout from one to another of the four main basins of lake Opeongo is of considerable importance from a management viewpoint. Tagging studies since 1949 show a movement of lake trout up the lake in the spring and down the lake in the fall. It is not yet known what percentage of the fish make this migration. Studies of lake trout spawning and water level fluctuations due to the operation of the Hydro-Electric Power Commission of Ontario, initiated in 1949, were continued in 1950. It was found that in Lake Opeongo a normal draw-down of $2\frac{1}{2}$ feet had little effect on the spawning of lake trout. Similarly in Hay Lake, where no serious water fluctuation was experienced in 1950, only slight damage to spawn occurred. In Shirley Lake major water level fluctuations have confined the lake trout to a narrow spawning bed of inferior quality, thereby interfering seriously with natural reproduction. The depths at which lake trout spawn and the position and extent of the spawning beds vary considerably from lake to lake. The problem of lake level fluctuations and lake trout spawning should therefore be studied at a local level. The development of techniques and equipment to aid in these studies is under investigation.

Speckled Trout Investigation: Various aspects of the life history of the speckled trout have been studied since 1947 in order to obtain information which would aid in the management of this important game fish. A study of the growth rate of these fish from a number of lakes and streams was undertaken in 1950. Investigations of the various requirements of speckled trout in lakes was continued, but the proposed aerial search for spawning sites, proposed in 1949, could not be undertaken due to unfavorable weather. Artificial spawning boxes were used by trout introduced into a small lake. Further development of this device, it is hoped, will provide a means of encouraging natural reproduction.

Southern Research Station: In 1948 the Department, in co-operation with the University of Toronto, established a laboratory for experimental limnology at this station. During the past year laboratory investigation of the effects of temperature and low oxygen on various species of trout and other fish have been undertaken. An investigation of the inheritance of temperature resistance has also been started. A fish scale projector, used to determine the age of fish, was in almost constant use during 1950 by technicians studying the rate of growth of fish collected in the field. Facilities were also provided for the study of the food habits of fish sent in by the field stations.

WILDLIFE

Wildlife research projects were under the direction of C. D. Fowle.

Projects at the Wildlife Research Station, Algonquin Park—

Small Mammals: Studies of fluctuations and turn-over in small mammal populations continued. A series of animals were examined for parasites, in co-operation with the Ontario Research Foundation.

Small Bird Populations: Using the census technique developed in the past several summers, the variations in density and species composition of the bird populations in two distinct forest environments were studied.

Ruffed Grouse: Field studies on the territorial behaviour and movements of ruffed grouse were carried out at a reduced scale during the year. A few male birds were banded on the study area, and some observations on birds banded previously were made.

Bird Banding: Sixty-eight birds of fourteen species were banded during 1950.

Autopsies: A number of bears, deer and other mammals and birds were autopsied in co-operation with the Ontario Research Foundation.

Other Projects—Beckwith Island Grouse Project: The object of this study is to stock a relatively isolated island in Georgian Bay with disease-free ruffed grouse; to observe the population growth, incidence of parasitism and disease, and habitat selection, in the hope of throwing some light on the causes of regular fluctuations observed in grouse populations. During the year, fourteen ruffed grouse were successfully reared at the Department's Pheasant Farm at Codrington, and transferred to Beckwith Island in September. Subsequent surveys will reveal the success of this introduction.

Woodcock Project: The object of this study is to determine migration routes through Ontario, and thereby establish the sources of woodcock shot by hunters in Southern Ontario in the fall. Preliminary work was begun when a party made a search of Manitoulin Island for young birds to band.

Deer Project: A field party continued the survey, begun in 1949, of deer problems in Northern Ontario. Information was gathered on such aspects as distribution and abundance, classification of habitat, analysis of browse conditions, distribution and extent of hunting pressure, and history of the northern extension of the deer range. Checks were made of several thousand hunters at road blocks, chiefly in Southern Ontario, to provide information on hunting success, and on sex and age composition of the harvest. The age class study, begun in 1949, was continued, to try to develop a method of determining age of bucks by antler measurements. Sportsmen contributed about 400 heads from bucks and does for study.

Habitat Improvement: Studies of methods of improving wildlife habitat in agricultural areas were continued. Six thousand *Rosa multiflora* seedlings were planted on a variety of sites on privately owned land, in order to test winter hardiness, tolerance of competition and soils. Some experimental plantations of other species have been established and propagation of various experimental plants from cuttings and seed was continued at the Southern Research Station. In the fall and early winter of 1950 a quantity of seed was collected from a number of native and ornamental shrubs for testing in 1951.

Laboratory Studies: Since the work of the Wildlife Food Habits Laboratory at the Royal Ontario Museum of Zoology was taken over in April of 1950, considerable work has been done in preparing the collection for transfer to new quarters at the Southern Research Station. The entire collection of over 1,000 mammals stomachs, as well as about 3,000 of the 13,000 bird stomachs have been re-organized and catalogued. Food analysis has been completed on the stomachs of moose (4), beaver (10), fish (34), marten (3), timber wolves (30), and goshawk (1). Thirty-eight wolf scats were also analysed.

Throughout the year co-operation was effected with several outside agencies. The Department of Parasitology, Ontario Research Foundation, maintained a research group at the Wildlife Research Station in Algonquin Park. Several graduate students from the University of Toronto also worked there. The Station was made available to the University for a two weeks field course in September.

STATISTICS

In 1948 the Division decided to make greater use of the rapidly expanding science of statistics as standard practice in order to improve the design of its experiments.

The work is under the direction of Dr. D. B. DeLury on a consultancy basis, assisted by L. M. Morrison, a full-time Department employee, with respect to both initiation and implementation of projects.

The heaviest project of the year 1950-51 related to the compilation of volume tables for Southern Ontario hardwoods, to which reference is made elsewhere in this report under the heading of "Forest Growth."

A second major project was the analysis of an experiment relating to a study of the effect of seed pelleting on tree seed germination. Reference is made to the pelleting study elsewhere in this report under the heading of "Seed Treatment."

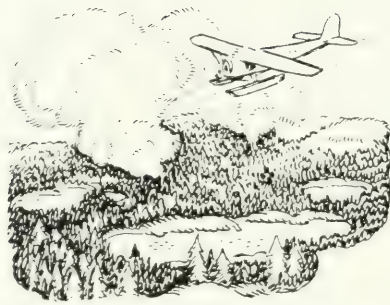
An experiment was statistically designed for the Division of Reforestation to study methods of transplanting tree seedlings from nursery beds.

A statistical design was developed to study the effect of fertilizers on combating "damping-off" fungi in red pine seedlings in nursery beds.

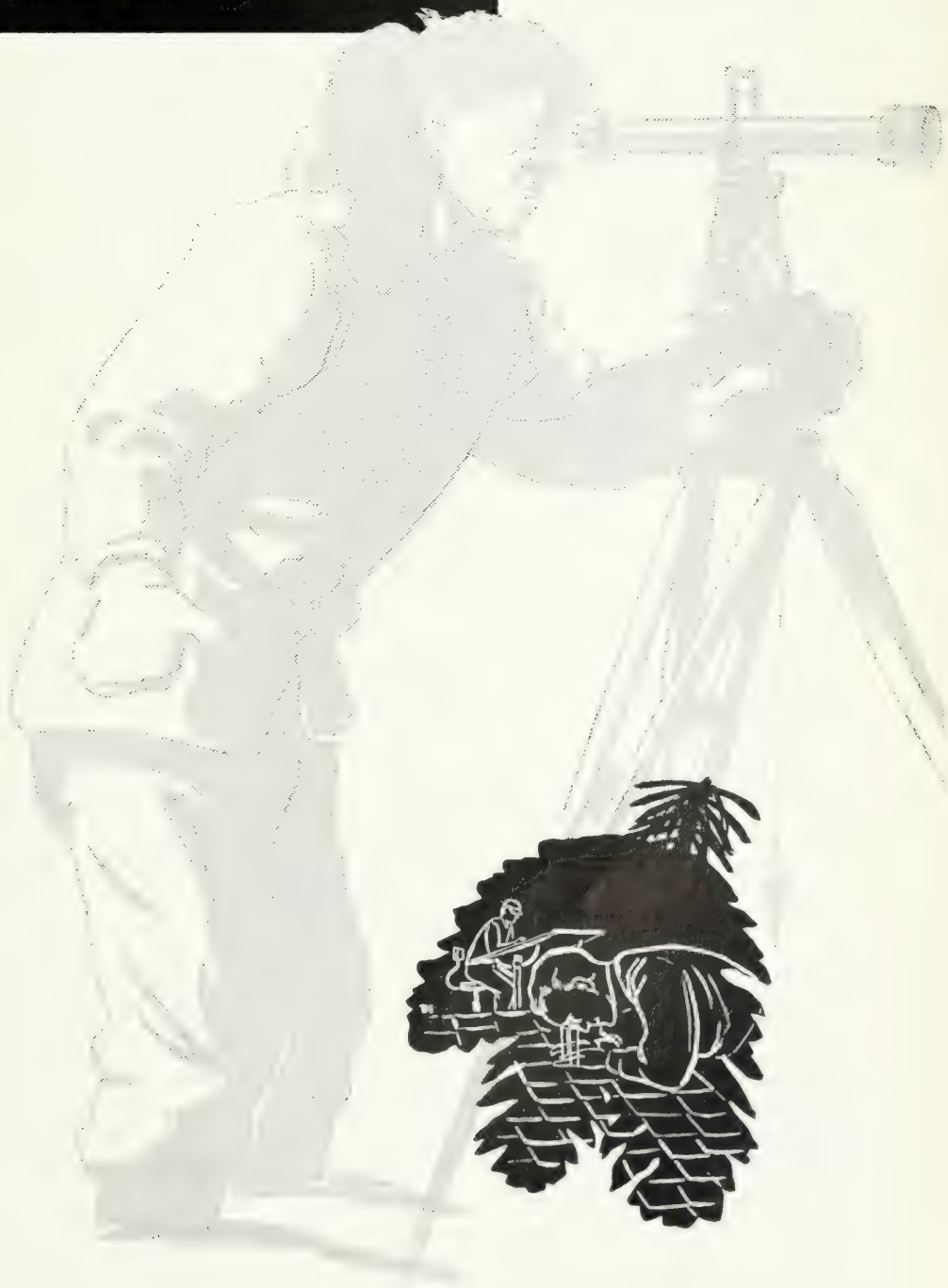
A design was provided for a study of the condition in which forest areas are left after cutting in the Cochrane-Kapuskasing area.

The application of statistical design and analysis to the research projects of the Division has again proven to be valuable.





Division of Surveys and Engineering



DIVISION OF SURVEYS AND ENGINEERING

The primary requirements of any attempt of the intelligent use of our natural resources and to solve the problem of the proper use of land and water is to have available accurate maps showing topography, drainage systems, types of soil and mineral resources. These maps make possible accurate description of the location of places or areas to be served. It is impossible to estimate the value of proper maps and aerial photographs to both Government agencies and industry and their value is many times their cost.

Through the arrangement made with the Army Survey Establishment of the Department of National Defence, four more sheets of the National Topographical Map Series, on a scale of two miles to an inch, have been completed and provisional prints of five other sheets are being checked before being printed. These maps may be obtained through this Department at nominal charges. During this year, 2,250 of these maps were issued, being an increase of over 300% over the previous year.

During this year, power developments at Des Joachims and the Chenaux on the Ottawa River, Pine Portage on the Nipigon River and the Tunnel Development on the Mississagi River, were completed. The total installed capacity of these plants will be 776,000 horsepower. This will increase the revenue derived from water power rental by a substantial amount.

The number of parcels of Crown Lands surveyed for summer resort locations was again increased. The surveys of 1,737 parcels were completed, the plans examined and checked and descriptions prepared so that patents could be issued. This additional work made it necessary to increase the number employed both on the field work and in the office staff. Marked progress has been made in meeting the back-log of applications for resort parcels created during the post war period. The Department used a survey party composed of members of its own staff on this type of work.

Space was secured in part for a pre-fabricated quonset hut for storage space for survey equipment and miscellaneous and survey and engineering plans. This hut was constructed by the Department of Public Works at the Research Station, Maple, Ontario.

The necessary legislation having been passed by both of the Provincial and the Federal Parliaments to accept the boundary between the Provinces of Ontario and Manitoba, as surveyed on the ground from Island Lake to Hudson's Bay, arrangements were made to have permanent monuments established along this boundary. An inspection was made of these monuments and the report of the Boundary Commissioners is being prepared.

The portion of the photography and mapping, undertaken by the Aerial Surveys Section of this Division, as part of the Forest Resources Inventory, having been nearly completed, there was less amount of this type of work carried out during the year. The members of the staff of that Section were used to prepare soil maps for the Research Division and also, to prepare new maps showing additional information obtained from the planimetric maps for townships that had not been subdivided and where only the township outlines had been surveyed. This Section will continue to photograph and map additional areas in the western part of the

Province that were not included in the original Forest Inventory Program. It will be necessary to re-photograph areas that have been cut over or burnt over so that this information may be added to the maps already prepared and in order to keep the maps up to date.

In addition to the retracement surveys required for the survey of summer resort locations, as listed in this report, a large number of township lot corners were re-established and marked with permanent monuments during the survey of other locations. This is helping to perpetuate the original surveys particularly in those portions of the Province where the land is not suitable for agricultural purposes.

Aerial Surveys Section in co-operation with the University of Toronto and the Research Council of Ontario were engaged in a program in research of the possibilities of obtaining greater detail from the negatives by the process of "unsharp masking".

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GROUND SURVEYS SECTION

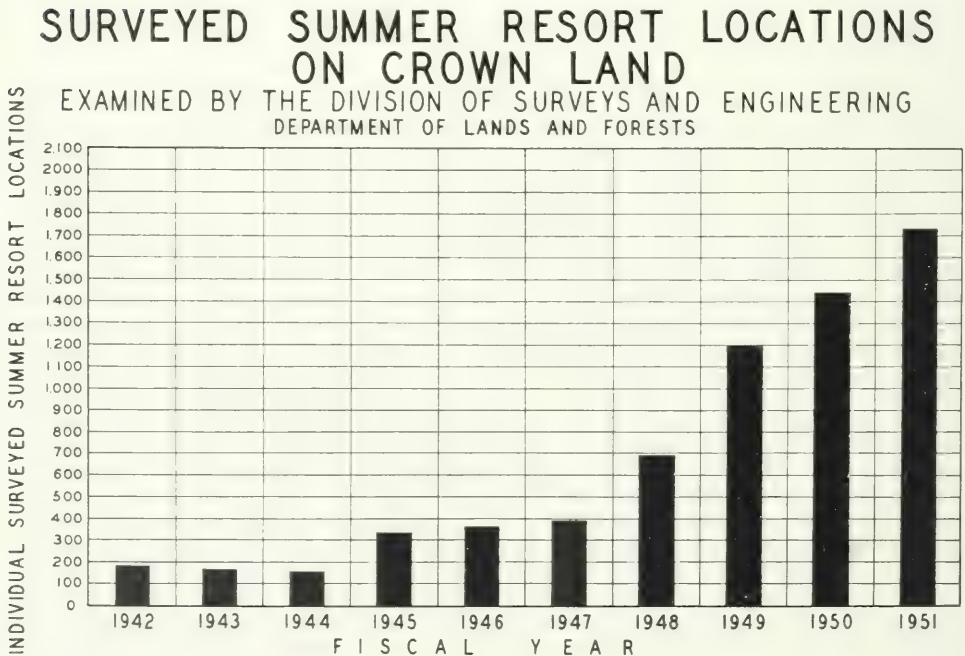
Survey Instructions were issued for the following surveys:

GENERAL

1. Retracement Survey of the north, west, east and part of the south boundaries of the Township of Mountbatten, District of Sudbury, in connection with administration of Dominion Lands.
2. Retracement Survey of certain boundaries in the Township of Crooks, District of Thunder Bay, in connection with the acquisition of lands required for right of way purposes by the Department of Highways.
3. Retracement Survey of the boundary between Concessions "C" and "D" across lots 20-25 inclusive, and the boundary between Concessions 10 and 11 across lots 61-65 inclusive, Township of Carling, District of Parry Sound, in connection with summer resort lands.

- 4. Retracement Survey of the boundary between the Townships of Cowper and Foley, District of Parry Sound, northerly from the boundary between Concessions 4 and 5 to the Georgian Bay together with a retracement survey of other lines in the Township of Cowper, in connection with summer resort lands.
- 5. Survey of summer resort locations in the Districts of Muskoka and Parry Sound and the Counties of Simcoe, Haliburton and Peterborough.
- 6. Retracement Survey of the boundary between the Townships of Devon and Pardee, District of Thunder Bay, across Concessions 5-10 inclusive, in the Township of Pardee.
- 7. Survey of the boundaries of the south parts of lots 1 and 2, Concession 6, Township of Galbraith, District of Algoma, for the purpose of determining the boundaries between the Crown and privately owned lands.
- 8. Retracement Survey of the east boundary of lots O, K, J, S. and M, Township of Johnson, District of Algoma.
- 9. Survey to establish the high water mark of Lake Erie in front of part of the Village of Port Stanley, Township of Southwold in the County of Elgin, to define the boundary between Crown Lands and lands held under private ownership.
- 10. Retracement Survey of certain lines in the Township of Pic. in the District of Thunder Bay.

FIGURE NO. 1



11. Survey of meridian south from the south-west corner of the Township of O'Meara and part of the boundaries between the concessions of Marathon Paper Mills of Canada Ltd., and Long Lac Pulp and Paper Company, Ltd., District of Thunder Bay.
12. Subdivision of part of Treaty Island, Lake of the Woods, for summer resort purposes.

MUNICIPAL SURVEYS

- No. 833—To re-establish the boundary between the Townships of Kingston and Loughborough, across lots 9, 10 and 11, Concession 8, Township of Kingston, County of Frontenac.
- No. 834—To re-establish the boundary between the Townships of Lindsay and St. Edmunds in front of Concessions 1-8 inclusive, Township of St. Edmunds, County of Bruce.
- No. 835—To re-establish certain lot angles in registered plan 375, Township of Nepean, County of Carleton.
- No. 836—To re-establish certain corners and boundaries within the municipal boundaries of the Town of Port Dalhousie.
- No. 837—To re-establish the intersection of the allowance for road between lots 30 and 31, Concession D, with the allowance for road between Concessions C and D and the intersection of the allowance for road with the high water mark of Lake Huron, in the Township of Amabel, County of Bruce.
- No. 826—Supplementary Instructions to establish the side roads between lots 10 and 11, lots 20 and 21, lots 30 and 31, lots 40 and 41, lots 50 and 51, lots 60 and 61, and the road allowance between the Townships of Saugeen and Bruce where such road allowances intersect the road allowance along the rear of the lake front range in the Township of Bruce.

PRIVATE SURVEYS ON CROWN LANDS

Under authority of Section 37 of the Public Land Regulations, 1737 summer resort locations were surveyed and the returns of survey filed in the Department for examination and approval. Seven hundred and eighty-two surveys of this number were surveyed under direct Departmental instructions to the surveyor, where the applicant paid in the survey fee to the District Office, as specified under Section 37 of the Public Land Regulations and amendments thereto. This is an increase of 302 surveys over the fiscal year ending March 31, 1950, and represents a new all-time high for the number of surveys completed during any previous fiscal year. It can be expected that the past fiscal year will represent the peak year for the number of summer resort location surveys made on Crown Lands during any fiscal year.

Under the provisions of the Mining Act, some 490 Mining Claims were surveyed and the returns of survey filed for examination and approval. This is an increase of some 70 Mining Claim surveys made during the fiscal year ending March 31, 1950.

During the past year, 247 descriptions were written for parts of township lots to be incorporated in Letters Patent to be issued by the Department under the Division of Land and Recreational Areas.

MAP PUBLICATIONS AND GEOGRAPHIC NOMENCLATURE

Due to the necessity of completing the work required for the nomenclature shown on the map sheets of the Forest Resources Inventory much of the regular work of this office has been held in abeyance, thereby reducing the volume of work ordinarily presented as accomplished during a year's time. Noted below are the details of the major portions of such work:

494 map sheets of the Forest Inventory series were checked and completed regarding the nomenclature with attendant referencing, etc., from all known sources of information.

Complete lists of names were compiled for use in the compilation of 6 topographic maps (at 2 m. to 1") being produced by the Army Survey Establishment, Department of National Defence.

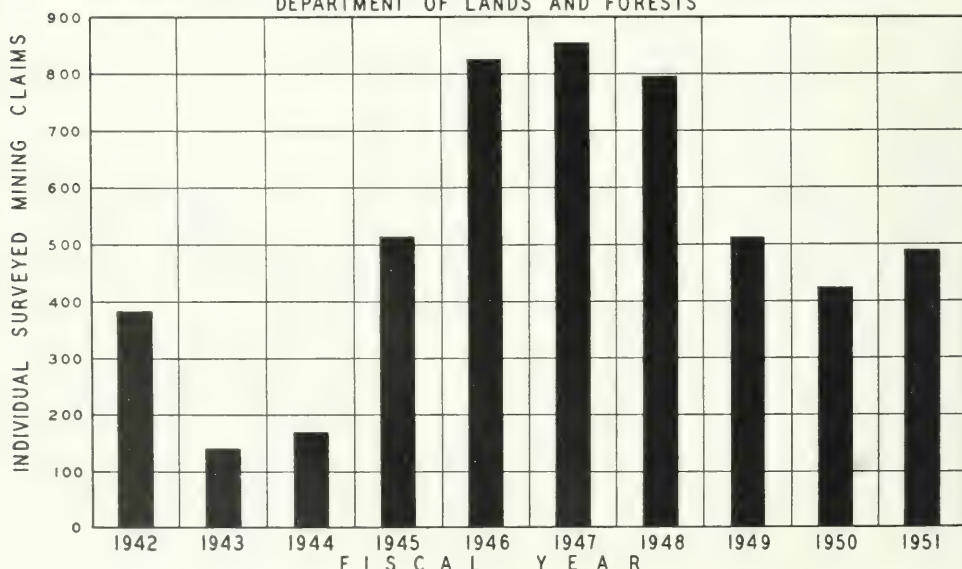
At the request of Federal mapping offices, 12 other maps of the National Topographic Series were checked for revised nomenclature prior to new editions being produced; also 2 Hydrographic charts were treated in the same manner.

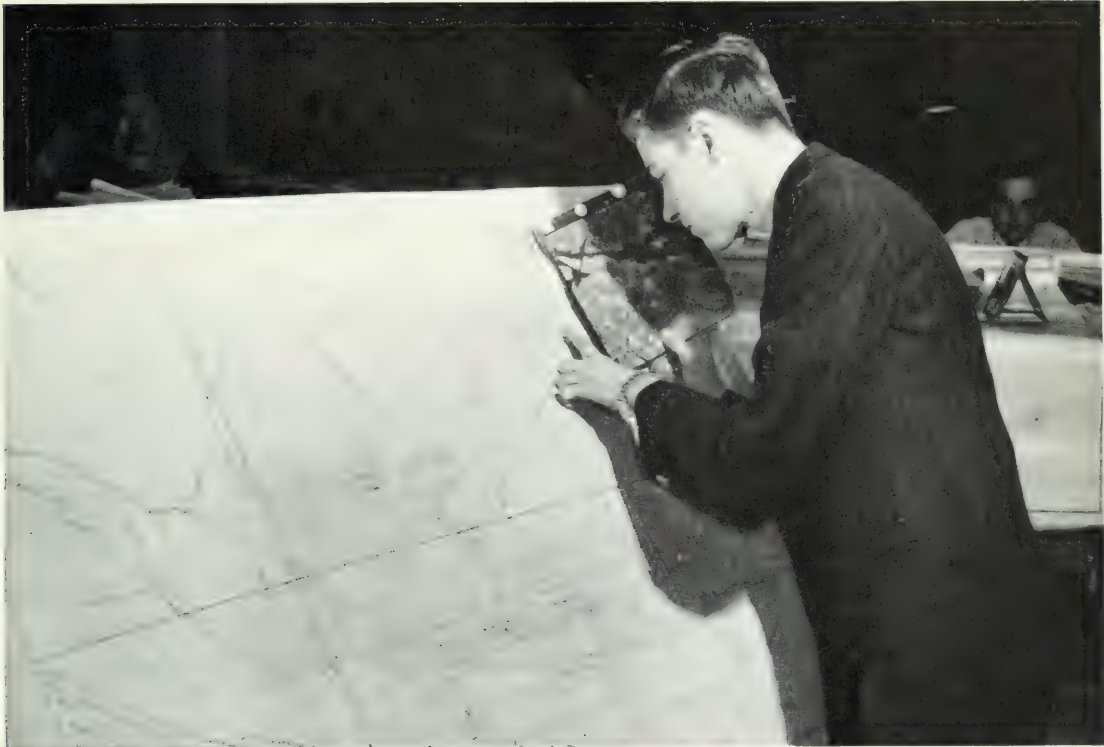
Steady progress has been made on the revision of the topography and nomenclature of our own map No. 24B of the Districts of Algoma, Sudbury, Timiskaming and parts of Districts of Cochrane and Nipissing; this large map, at the scale of 8 miles to 1 inch, will be completed and reproduced during 1951 and will present in reduced scale the major detail shown on the Forest Inventory base maps.

FIGURE NO. 2

SURVEYED MINING CLAIMS ON CROWN LAND

EXAMINED BY THE DIVISION OF SURVEYS AND ENGINEERING
DEPARTMENT OF LANDS AND FORESTS





Checking details on base map with aerial surveys.

Considerable work has been done on the revision of our Geographic Names Index during the first six months of the fiscal year but lack of clerical staff since that time has prevented further progress on this phase of our work.

The distribution of the map sheets of the National Topographic Series, on a scale of 2 miles to the inch, prepared for us by the Army Survey Establishment, Department of National Defence, from detail shown on the planimetric maps produced in connection with the Forest Resources Inventory Program, has increased considerably during the past year. Available for distribution this year were the following four sheets of this series:

| NAME | LONGITUDE | LATITUDE |
|---------------|------------|--------------------|
| Cartier | 81° to 82° | 46° 30' to 47° 00' |
| Capreol | 80° to 81° | 46° 30' to 47° 00' |
| Espanola..... | 81° to 82° | 46° 00' to 46° 30' |
| Sudbury..... | 80° to 81° | 46° 00' to 46° 30' |

Proofs only were received for five other of these map sheets, namely Maple Mountain, Westree, Elk Lake, Gogama, and Smooth Rock.

MAP DISTRIBUTION

The distribution of lithographed maps of the National Topographic Series, relative to Ontario as published by the Department of Mines and Technical Surveys in Ottawa, the Army Survey Establishment of the Department of National Defence and Provincial issues distributed by this Division, continues to increase.

The popularity of the small sectional maps is increasing, particularly on the 2 mile scale, as shown by the quantity distributed of the sheets compiled from Forest Resources Inventory information. The decrease in distribution of our District, island and miscellaneous maps is caused by several of our District map sheets being out of print, and new maps with additional information being prepared.

The following list shows the quantity distributed during the past year. The trend of distribution over a fourteen year period is shown on the attached chart.

TABLE No. 1

DISTRIBUTION OF MAPS

| | | |
|--|--------|--------|
| National Topographic Series (Dominion) | 19,185 | |
| National Topographic Series (Provincial) | 2,250 | 21,435 |

PROVINCIAL MAPS

| | | |
|------------------------|-------|--------|
| 20A (Free Issue) | 2,814 | |
| District Maps | 6,730 | |
| Island Maps | 650 | |
| Miscellaneous | 3,433 | |
| 33A (Electoral) | 61 | |
| 42A (Townships) | 370 | 14,058 |
| TOTAL | | 35,493 |

NATIONAL TOPOGRAPHIC SERIES

The National Topographic Series maps distributed this year again showed an increase over the previous years. Of the total number of sheets obtained, 5,101 were supplied without charge by the Department of Mines and Technical Surveys, Ottawa, for the official use of this Department, including the various administrative district offices; 11,288 map sheets were purchased, of which approximately 1,800 were distributed without charge for official use.

The Department of Travel and Publicity were supplied with 379 map sheets for free distribution for tourist publicity purposes. Approximately 27% of the total sheets are distributed without charge.

PROVINCIAL MAPS

The total distribution of Provincial maps shows a slight decrease this year. This was caused, no doubt, by the fact that Maps 24B, 25A, and 25B, and 32C, were out of print. Map No. 20A shows an increase, due to the educational program instituted in the schools on map reading.

Provincial maps distributed over the counter for official Departmental use of this and other Departments amounted to some 1,000 copies. This figure does not include those used by Administrative District Offices. The Department of Travel and Publicity obtained 43 district maps for tourist publicity purposes.

TABLE No. 2

PUBLIC REQUESTS FOR MAPS AND SURVEY RECORDS

| | |
|---|-------|
| Counter Sales | 3,442 |
| Sales by Invoice | 1,143 |
| Sales by Cash in Advance and Enquiries only—approximately | 4,400 |
| | 8,985 |

The total revenue collected for maps and reproduction of survey records was as follows:

| | |
|------------------------|-------------------|
| Over the Counter | \$ 2,668.34 |
| By Mail | \$ 9,531.78 |
| | <hr/> \$12,200.12 |

The reduction during the past year in the number of invoices issued is due to, (1) the consolidation of a number of requests from the same customer to one invoice; (2) The Registrar General's Branch withdrawing their photostat work; (3) The elimination of invoicing by requesting the public to forward their remittance in advance with their request, when possible.

PHOTOSTATING

46,725 square feet of photostatic paper was used for the reproduction of documents and records for this and other Departments.

105 of the oldest original survey field note books, totalling 4,187 pages, and ranging from 100 to 150 years old, were reproduced photographically to approximately twice the size. These are to be used for reference and copying purposes to eliminate the handling of these very old and valuable records.

PRINTING AND TRANSPARENT LINEN REPRODUCTIONS

Almost 60,000 square feet of sensitized paper, opaque linen and transparent linen, was used for the reproductions of survey plans as follows:

| | |
|--|------------------------|
| Transparent Linen | 1,713 square feet |
| Opaque Linen | 438 square feet |
| OCE and Blue printing (for public use) | 28,318 square feet |
| OCE and Blue printing (for official use) | 29,042 square feet |
| TOTAL | 59,511 square feet |

Approximately half of the square footage used this year was for the official use of this Department, the other being used for resale to the public and other Departments of the Government. The use of transparent linen reproductions to eliminate hand drawn copies of survey plans for filing in Land Titles and Registry Offices, was doubled over that used last year.

BOOK BINDING

The work of repairing and rebinding the original survey field notes and other survey records was carried on throughout the year. In addition, 127 municipal survey field note books and 50 of the photostatic copies of the oldest original Crown Survey field note books were bound.

MICROFILMING

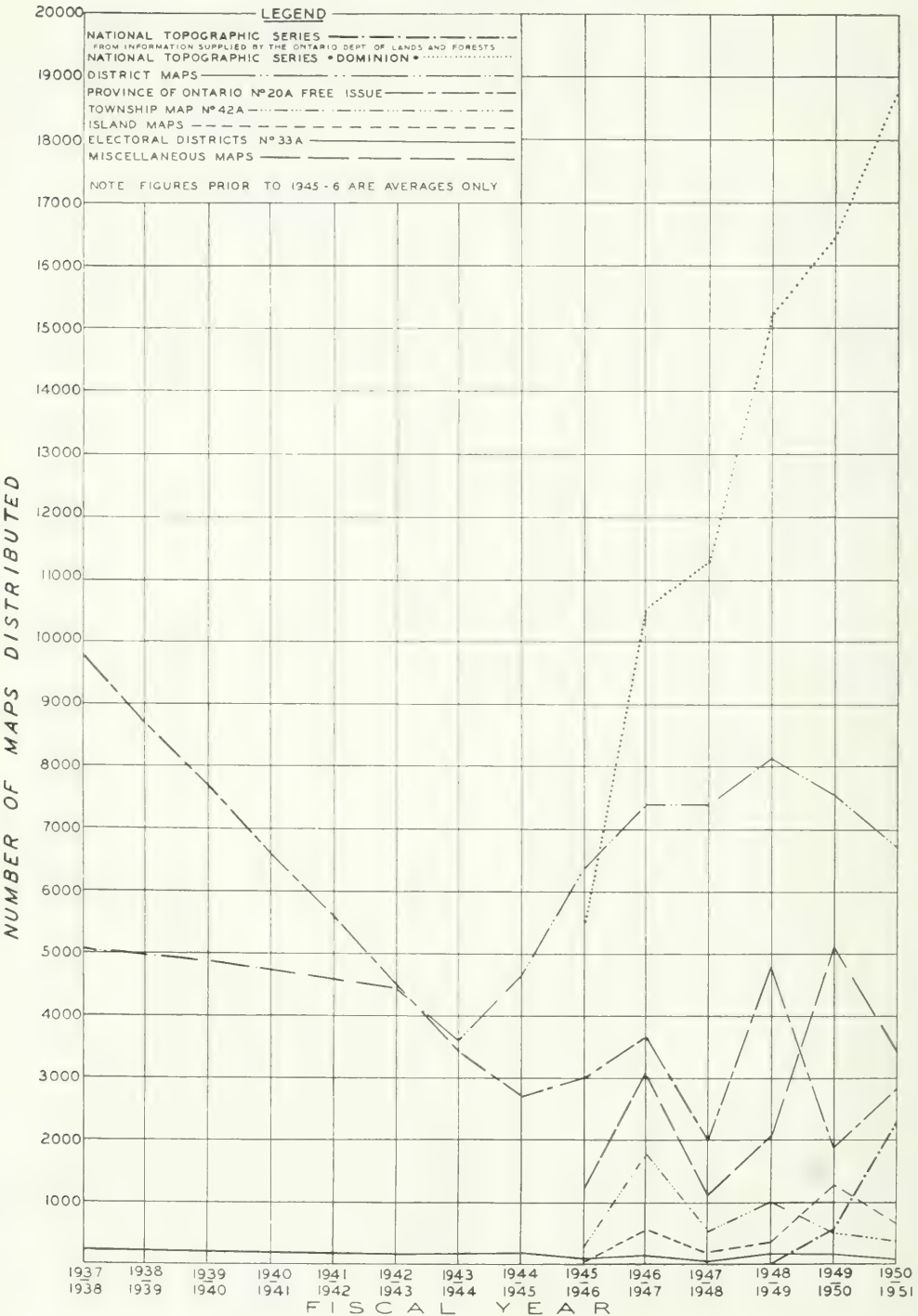
The microfilming of rolled survey plans was undertaken this year, and approximately half of the total number of plans on record were done. The number of plans completed was 3,027, which amounted to 11,548 exposures (negatives): 20 rolls of positive film were made of miscellaneous notes, plans, etc., amounting to 2,000 exposures (positive).

A new and cheap method of obtaining reduced small scale prints from the Forest Resources Inventory planimetric base maps was tried this year by microfilming for the use of the Geographic staff, for compiling the manuscripts for the new issue of Map 24B. This consisted of microfilming 362 of the base maps from which enlarged

FIGURE No. 3

TREND OF MAP DISTRIBUTION

DEPARTMENT OF LANDS AND FORESTS



prints were made to the scale of 3.95 miles to the inch. Only the main topographical features required were inked over and traced directly on to the manuscript.

MAP MOUNTING AND PRESERVATION

114 original township survey plans were treated with a cellulose wash finish to preserve and protect the surface. During the year, 106 maps or plans were mounted in various ways. These included original survey plans for this Section and new survey plans for the Patents, Land Titles and Registry Offices.

SURVEY RECORDS

4,800 rolled survey plans were cleaned and given a new filing number, and transferred from the old pigeon hole filing system to new steel drawer filing cabinets. This included some 750 original Railway Right of Way plans, transferred from the Department of Public Works.

The handling of original survey records plans and field notes continued to be a major item through the year due to the extensive activity in highway, hydro, summer resort and other phases of survey work.

FIELD SURVEY PARTY EQUIPMENT AND SUPPLY

The equipping and supplying of 4 field survey parties for Crown summer resort work in the Muskoka and Parry Sound Districts, and for survey inspection work, was taken care of during the year. Major field survey party equipment purchased during the year included a new International panel truck which was outfitted as a mobile survey unit. A boat trailer for use with the truck was constructed, and a 16-foot outboard boat was built by the staff of one of the Districts for our use. A quantity of 1" and $\frac{3}{4}$ " iron survey bars, and preliminary survey summer resort location tags were purchased and distributed amongst the various District Offices, where they will be required for the coming summer's survey program.

The new larger storage space, consisting of approximately 1,000 square feet in a building built for the use of this Division, and the Division of Research, was completed by the Department of Public Works on this Department's Southern Experimental Station property at Maple, for the storage of survey equipment and supplies. The part occupied is the centre section of a prefabricated "Quonset" hut which was divided into 2 floors, and the walls insulated. The second floor is constructed on pillars, and is entirely free from the walls, as no weight can be attached to the laminated ribs of the hut itself. The building is heated by steam, with a blower system from an oil burning furnace. This also provides additional storage space for duplicate and other survey records not in constant use.

PROVINCIAL AIR PHOTOGRAPHIC LIBRARY

Approximately 1,000 photographs covering points in Southern Ontario, from photography made by our Aerial Surveys Section, with a few key maps, were prepared by the Aerial Surveys Section for the Provincial Air Photographic Library this year. In this connection also, the Forest Resources Inventory Section of the Division of Timber Management obtained and stored a number of prints of their planimetric base maps ready for the keying of the photographs.

AERIAL SURVEYS SECTION

The process of "unsharp masking" has been developed in co-operation with the University of Toronto and the Research Council of Ontario. It is a method of printing aerial photographs, in which the "dodging", or variation of light intensity behind various sections of the negative (which is usually carried out by the use of a large number of small individually controlled lights) is accomplished by using a fuzzy diapositive. This is made from the negative itself and fastened in register behind it. Thus, the dense portions of the negative receive proportionately more light than the thin; at the same time, the contrast between images of contiguous fine detail points is preserved. At present this method is in use in this Department for special prints where the ultimate in detail perception is required. The Hydro-Electric Power Commission has requested that all their enlargements and contact prints for mosaics and contouring, be unsharp masked.

During the past fiscal year the vertical photography carried out by the Aerial Surveys Section totalled 3,471 square miles.

Of this total, 656 square miles were for our own Department and 2,815 square miles were for other Government Departments. A table showing a breakdown of these figures is submitted herewith.

During this same period the expenditure was \$50,698.18 and the revenue \$33,479.54.

TABLE No. 3

OTHER GOVERNMENT DEPARTMENTS

| | AREA (SQ. MILES) | TOTALS |
|--------------------------------------|---------------------|--------|
| Hydro-Electric Power Commission..... | 186 | |
| **Planning and Development | 1,766 | |
| Highways | 863 | 2,815 |

DEPARTMENT OF LANDS AND FORESTS

| | | |
|-----------------------------------|-----|-------|
| *Forest Resources Inventory | 648 | |
| Other | 8 | 656 |
| TOTAL | | 3,471 |

*Denotes Mapping Included.

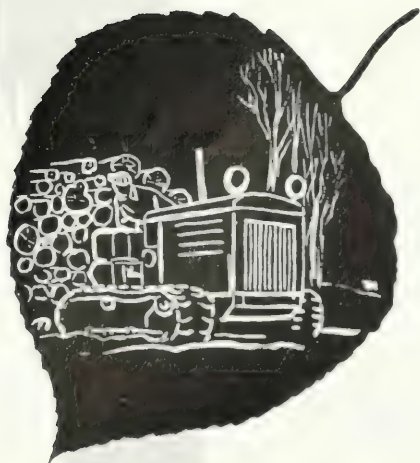
**Denotes Multiplex Work Included.

TOTAL OF AERIAL SURVEYS—1924 TO 1951 (MARCH 31)

| | |
|----------------------------|-------------------|
| Aerial Sketching | 26,903 Sq. Miles |
| Oblique Photography | 10,780 Sq. Miles |
| Vertical Photography | 114,037 Sq. Miles |



Division of Timber Management



DIVISION OF TIMBER MANAGEMENT
FOREST RESOURCES INVENTORY

The contract for photography and mapping of the Photographic Survey Corporation was completed during the year and the contract terminated in accordance with its terms and conditions on March 31st, 1951.

During the year 5,062 square miles of photography was added to the area photographed under contract making a total area for the contract 127,472 square miles. The area originally estimated to be photographed and mapped under contract was 125,000 square miles. An area of 1,502 square miles was photographed by the Department during the current year making a total of 27,203 square miles photographed by the Department under the inventory program.

The mapping program for the year was made up of 32,982 square miles under contract and an additional area of 1,900 square miles mapped by the Department making a total area of 34,882 square miles mapped during the year on the inventory program.

Field sampling was completed on an area of 18,440 square miles making a total area completed to date of 54,560 square miles.

Three interim reports were prepared during the year giving timber volume summaries by Districts as follows:

- 1. North Bay District issued..... October, 1950
- 2. Timiskaming District issued..... February, 1951
- 3. Cochrane District issued..... February, 1951

Index of Tables

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MANAGEMENT PLANS AND CONTROL

Seventy companies have been requested to furnish forest inventories and master plans on their licences and agreement areas, covering approximately 75,000

square miles. Reports have already been received covering forest inventories on 25,000 square miles and master plans on 20,000 square miles.

Early in 1950, the Minister approved of the Management Plan of the Petawawa Management Unit. Operations under the plan commenced during the following logging season and the co-operating companies have since demonstrated their ability to work under regulations which provide for the protection and development of future crops on the same area on a comparatively short cutting cycle.

In general, the control of cutting operations has advanced in line with the increase of timber management staff in the Districts. Standardization of procedures in connection with the submission of annual cutting applications, the District Forester's reports on timber sale applications and the reports of inspectors and scalers have immensely facilitated the handling of these matters in the Department. The monthly reports dealing with cutting operations with their constant check on each logging camp have exerted a great influence and improvement in cutting practices.

TIMBER SALES 1950-51

Details of the 56 new sales of timber made during the season indicate that 187.25 square miles of timber limits were sold.

During the season, 78 timber licences comprising 395.50 square miles, were abandoned.

The status of the timber licensed areas in Ontario as at March 31st, 1951, was therefore as follows:

TABLE NO. 1

| | NO. | AREA (SQ. MILES) |
|--|-----|---------------------|
| Licences and Renewals Issued 1950-51 | 770 | 10,372 |
| Licences, in Suspense | 41 | 438¾ |
| TOTAL | 811 | 10,810¾ |

PULPWOOD AND TIMBER AGREEMENTS 1950-51

Area under pulpwood concession and timber agreement as at March 31st, 1951—74,257.75 square miles.

From and including season 1922-23 to April 1st, 1951, 19,433 square miles or 12,437,120 acres were cut over and returned to the Crown.

TABLE NO. 2

AREA UNDER PULPWOOD AND TIMBER AGREEMENT

| FISCAL YEAR | SQ. MILES | FISCAL YEAR | SQ. MILES |
|---------------|-----------|---------------|-----------|
| 1941-42 | 66,509.50 | 1946-47 | 56,745.00 |
| 1942-43 | 71,636.50 | 1947-48 | 66,254.50 |
| 1943-44 | 56,690.50 | 1948-49 | 66,980.75 |
| 1944-45 | 59,353.00 | 1949-50 | 69,860.75 |
| 1945-46 | 53,754.00 | 1950-51 | 80,460.75 |

TABLE No. 3
MILLS LICENSED

The mills licensed during the year under the Mills Licensing Act, were as follows:

| | |
|--|-------|
| Less than 5,000 ft. daily capacity | 667 |
| 5,000 to 30,000 ft. per day | 682 |
| Over 30,000 ft. per day | 53 |
| Pulp Mills | 35 |
| | 1,437 |

SCALING

Scalers' examinations were held as follows:

| | |
|------------------------|----------------------|
| Carnarvon | May 12th, 1950 |
| Sault Ste. Marie | June 10th, 1950 |
| Longlac | September 30th, 1950 |

TABLES

TABLE No. 4. Statement of amounts of timber cut during the year ending March 31st, 1950.

TABLE No. 5. Classification of annual timber returns for the year ending March 31st, 1950, by Districts.

| | | |
|------------------------|-------------------|---------------------|
| 5 Algonquin (Pembroke) | f. Kapuskasing | l. Sault Ste. Marie |
| 5a. Chapleau | g. Kenora | m. Sioux Lookout |
| b. Cochrane | h. North Bay | n. Sudbury |
| c. Fort Frances | i. Parry Sound | o. Swastika |
| d. Geraldton | j. Port Arthur | p. Trent (Lindsay) |
| e. Gogama | k. Quinte (Tweed) | |

TABLE No. 6. Timber areas sold during the year ending March 31st, 1951.

TABLE No. 4
AMOUNTS OF TIMBER CUT
FOR YEAR ENDING MARCH 31st, 1950

| SPECIES | PIECES | FEET | CORDS | CUBIC FEET |
|-------------------------|-----------|-------------|--------------|-------------|
| Red and White Pine..... | 1,864,132 | 111,686,347 | — | 25,586,184 |
| Jack Pine..... | 3,755,162 | 56,280,414 | 320,612.90 | 55,154,235 |
| Spruce | 1,723,396 | 35,401,041 | 1,298,057.92 | 130,804,009 |
| Balsam | 43,431 | 480,013 | 101,597.76 | 9,418,380 |
| Hemlock | 497,061 | 22,019,020 | — | 5,752,601 |
| Birch | 359,734 | 29,273,210 | — | 6,088,784 |
| Maple..... | 133,352 | 8,858,825 | — | 1,975,557 |
| Other Hardwood..... | 89,305 | 4,653,635 | — | 1,148,296 |
| Poplar..... | 122,708 | 3,366,825 | 54,668.94 | 6,033,771 |
| Cedar..... | 12,516 | 187,686 | — | 88,548 |
| Tamarac..... | 1,156 | 26,630 | — | 10,233 |
| | 8,601,953 | 272,233,646 | 1,774,937.52 | 242,060,598 |

| SPECIES | PIECES | LINEAL FEET | CORDS | CUBIC FEET |
|------------------|---------|-------------|-----------|------------|
| Ties | 85,529 | — | — | 256,587 |
| Ties | 24,429 | — | — | 377,080 |
| Poles | 7,597 | — | — | 75,970 |
| Poles | 88,755 | — | — | 1,443,819 |
| Posts | 25,543 | — | — | 38,314 |
| Posts | 120 | 960 | — | — |
| Fuelwood | — | — | 20,940.21 | 1,884,600 |
| Piling | 1,865 | 49,676 | — | — |
| Piling | 884 | — | — | 16,639 |
| Lagging | 3,460 | — | — | — |
| Lagging | — | — | 787.92 | 70,920 |
| Lagging | 2,016 | 32,256 | — | — |
| Mixed Logs | 758,032 | — | — | 4,502,144 |
| | | | 21,728.13 | 8,666.073 |

TABLE NO. 5
PEMBROKE

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|--------|---------|------------|-------------|-------------|--------------|
| Pine Logs | — | 238,375 | 9,216,222 | \$23,040.49 | \$23,881.64 | \$ 46,922.13 |
| Pine Booms | — | 5,430 | 664,983 | 1,662.45 | 8,310.91 | 9,973.36 |
| J. Pine Logs | — | 165,938 | 2,522,342 | 6,184.59 | 4,301.61 | 10,486.20 |
| Ash Logs | — | 359 | 38,019 | 95.02 | 138.49 | 233.51 |
| Balsam Logs | — | 348 | 4,456 | 8.91 | 6.93 | 15.84 |
| Basswood Logs | — | 5,622 | 237,389 | 593.48 | 334.16 | 927.64 |
| Beech Logs | — | 289 | 17,603 | 44.01 | 79.21 | 123.22 |
| Birch Logs | — | 61,497 | 4,798,498 | 11,996.21 | 9,742.52 | 21,738.73 |
| Cedar Logs | — | 741 | 13,226 | 19.83 | 20.33 | 40.16 |
| Hemlock Logs | — | 76,551 | 3,540,676 | 5,311.01 | 1,039.09 | 6,350.10 |
| Hemlock Booms | — | 1,998 | 194,712 | 486.78 | 1,034.02 | 1,520.80 |
| Maple Logs | — | 25,056 | 1,724,887 | 4,312.20 | 5,765.45 | 10,177.65 |
| Oak Logs | — | 81 | 1,295 | 3.24 | — | 3.24 |
| Poplar Logs | — | 60,303 | 1,367,655 | 2,735.29 | 2,224.59 | 4,959.88 |
| Poplar Booms | — | 1,413 | 135,290 | 338.22 | 405.87 | 744.09 |
| Spruce Logs | — | 71,320 | 1,648,368 | 3,296.72 | 3,243.10 | 6,539.82 |
| Spruce Booms | — | 1,163 | 142,461 | 356.15 | 951.07 | 1,307.22 |
| Tamarac Logs | — | 261 | 9,129 | 13.69 | — | 13.69 |
| Posts (Pieces) | — | 12 | — | .24 | .36 | .60 |
| Poles (Pieces) | — | 430 | — | 180.50 | — | 180.50 |
| Poles (cu. ft.) | — | 23,848 | 289,837.62 | 11,459.68 | — | 11,459.68 |
| Fuelwood (Hard) | 76.80 | — | — | 63.00 | — | 63.00 |
| Fuelwood (Soft) | 29.50 | — | — | 7.37 | — | 7.37 |
| Balsam Pulpwood | 76.75 | — | — | 53.72 | 33.84 | 87.56 |
| J. Pine Pulpwood | 144.56 | — | — | 57.82 | — | 57.82 |
| Poplar Pulpwood | 401.24 | — | — | 160.49 | 88.20 | 248.69 |
| Spruce Pulpwood | 337.71 | — | — | 472.79 | 21.72 | 494.51 |
| Pulpwood Exported Included in previous cordages | — | — | — | — | — | — |
| Poplar | 121.11 | — | — | — | 12.08 | 12.08 |
| | — | — | — | \$72,953.90 | \$61,635.19 | \$134,589.09 |

CUT UNDER PERMIT

| | | | |
|------------------|------------------|----------------|--------------|
| Mixed Logs | 487,102 ft. B.M. | Fuelwood | 347.75 Cords |
| Pulpwood | 953.09 Cords | Posts | 1,263 Pcs. |

TABLE No. 5A

CHAPLEAU

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|--------------------------|-----------|---------|-----------|-------------|-------------|-------------|
| Pine Logs..... | — | 30,176 | 3,096,378 | \$ 7,740.94 | \$18,667.63 | \$26,408.57 |
| Pine Booms..... | — | 21 | 3,425 | 8.56 | 22.26 | 30.82 |
| J. Pine Logs..... | — | 392,269 | 6,460,351 | 13,953.52 | 27,966.35 | 41,919.87 |
| J. Pine Booms..... | — | 117 | 13,320 | 33.29 | 51.70 | 84.99 |
| Birch Logs..... | — | 23 | 901 | 2.25 | 1.35 | 3.60 |
| Spruce Logs..... | — | 6,447 | 92,442 | 184.88 | 462.72 | 647.60 |
| Spruce Booms..... | — | 9 | 1,624 | 4.06 | 6.50 | 10.56 |
| Car Stakes (Pieces)..... | — | 400 | — | 10.00 | — | 10.00 |
| Poles (cu. ft.)..... | — | 5,191 | 70,309.56 | 2,902.51 | — | 2,902.51 |
| Balsam Pulpwood..... | 192.95 | — | — | 135.06 | — | 135.06 |
| J. Pine Pulpwood..... | 25,210.69 | — | — | 10,084.27 | 3,408.81 | 13,493.08 |
| Spruce Pulpwood..... | 5,511.14 | — | — | 7,715.60 | 199.72 | 7,915.32 |
| | — | — | — | \$42,774.94 | \$50,787.04 | \$93,561.98 |

CUT UNDER PERMIT

| | | | | | |
|----------|-------|----------------|-------|-------|----------|
| Fuelwood | | 1,089.25 Cords | Poles | | 100 Pcs. |
| | | Posts | | | 10 Pcs. |

TABLE NO. 5B

COCHRANE

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|------------|---------|--------------|--------------|--------------|--------------|
| Pine Logs | — | 11,390 | 705,204 | \$ 1,762.99 | \$ 4,659.32 | \$ 6,422.31 |
| Pine Booms | — | 2 | 683 | 1.71 | 4.10 | 5.81 |
| J. Pine Logs | — | 462,793 | 6,141,763 | 9,891.40 | 32,187.23 | 42,078.63 |
| J. Pine Booms | — | 1,156 | 80,621 | 201.54 | 482.58 | 684.12 |
| Balsam Logs | — | 1,952 | 32,375 | 64.66 | 174.96 | 239.62 |
| Birch Logs | — | 46 | 1,300 | 3.25 | 4.55 | 7.80 |
| Cedar Logs | — | 15 | 86 | .13 | .39 | .52 |
| Poplar Logs | — | 615 | 14,420 | 28.85 | 30.20 | 59.05 |
| Spruce Logs | — | 354,838 | 5,893,558 | 11,787.16 | 37,281.10 | 49,068.26 |
| Spruce Booms | — | 4,652 | 443,266 | 1,108.13 | 2,688.65 | 3,796.78 |
| Poles (Pieces) | — | 352 | — | 106.75 | 81.76 | 188.51 |
| Posts (Pieces) | — | 240 | — | 4.80 | 18.64 | 23.44 |
| Spruce Logs (cu. ft.) | — | 199,688 | 1,428,681.29 | 36,178.76 | — | 36,178.76 |
| J. Pine Logs (cu. ft.) | — | 92,255 | 667,408.60 | 11,679.64 | — | 11,679.64 |
| Fuelwood (Hard) | 987.47 | — | — | 493.71 | 159.29 | 653.00 |
| Fuelwood (Soft) | 3,346.74 | — | — | 836.65 | 616.29 | 1,452.94 |
| Balsam Pulpwood | 13,022.34 | — | — | 8,330.06 | 4,582.57 | 12,912.63 |
| J. Pine Pulpwood | 8,742.81 | — | — | 3,497.12 | 874.28 | 4,371.40 |
| Poplar Pulpwood | 24.21 | — | — | 9.68 | 14.53 | 24.21 |
| Spruce Pulpwood | 326,781.23 | — | — | 456,909.21 | 133,852.13 | 590,761.34 |
| Pulpwood Exported Included in previous cordages | | | | | | |
| Balsam | 648.14 | — | — | — | 648.14 | 648.14 |
| Spruce | 6,746.50 | — | — | — | 6,746.50 | 6,746.50 |
| | — | — | — | \$542,896.20 | \$225,107.21 | \$768,003.41 |

CUT UNDER PERMIT

| | | | |
|---------|------------------|----------|----------------|
| J. Pine | 44,325 ft. B.M. | Poles | 97 Pcs. |
| Spruce | 251,235 ft. B.M. | Posts | 7,681 Pcs. |
| Poplar | 24,413 ft. B.M. | Fuelwood | 9,550.00 Cords |
| Cedar | 15,578 lin. ft. | Pulpwood | 8,298.00 Cords |

TABLE No. 5c
FORT FRANCES

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|-----------|---------|-----------|-------------|-------------|--------------|
| Pine Logs | — | 125,065 | 8,885,983 | \$22,214.94 | \$48,814.25 | \$ 71,029.19 |
| Pine Booms | — | 1,496 | 338,796 | 846.97 | 2,009.93 | 2,856.90 |
| J. Pine Logs | — | 287,402 | 4,529,074 | 8,951.83 | 12,909.11 | 21,860.94 |
| J. Pine Booms | — | 1,120 | 113,090 | 282.72 | 449.36 | 732.08 |
| Balsam Logs | — | 14 | 105 | .21 | 5.61 | 5.82 |
| Poplar Logs | — | 6,483 | 117,441 | 234.87 | 183.95 | 418.82 |
| Spruce Logs | — | 46,340 | 663,191 | 1,326.38 | 2,864.59 | 4,190.97 |
| Spruce Booms | — | 1,018 | 103,568 | 258.89 | 525.13 | 784.02 |
| Posts (Pieces) | — | 952 | — | 19.04 | — | 19.04 |
| Poles (Pieces) | — | 171 | — | 44.25 | — | 44.25 |
| Poles (cu. ft.) | — | 5 | 65.00 | 4.55 | — | 4.55 |
| Fuelwood (Hard) | 137.21 | — | — | 68.60 | 17.79 | 86.39 |
| Fuelwood (Soft) | 31.50 | — | — | 7.87 | 11.02 | 18.89 |
| Balsam Pulpwood | 530.56 | — | — | 371.39 | 53.05 | 424.44 |
| J. Pine Pulpwood | 27,296.72 | — | — | 10,918.69 | 4,505.29 | 15,423.98 |
| Poplar Pulpwood | 15,337.96 | — | — | 6,135.20 | 1,325.78 | 7,460.98 |
| Spruce Pulpwood | 18,877.33 | — | — | 26,428.27 | 4,209.36 | 30,637.63 |
| Pulpwood Exported Included in previous cordages | — | — | — | — | — | — |
| J. Pine | 19,800.00 | — | — | — | 9,899.99 | 9,899.99 |
| | — | — | — | \$78,114.67 | \$87,784.21 | \$165,898.88 |

CUT UNDER PERMIT

| | | | |
|---------|-----------------|----------|----------------|
| Pine | 66,210 ft. B.M. | Balsam | 5,075 ft. B.M. |
| J. Pine | 10,142 ft. B.M. | Posts | 10,190 Pieces |
| Poplar | 74,570 ft. B.M. | Fuelwood | 1,201.31 Cords |
| Spruce | 12,666 ft. B.M. | Pulpwood | 4,153.08 Cords |

TABLE No. 5d
GERALDTON

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|------------------|--------|--------|------------|-------------|-------------|-----------|
| J. Pine Logs | — | 69,092 | 895,436 | \$ 1,343.15 | \$ 5,861.56 | 7,204.71 |
| J. Pine Booms | — | 7 | 317 | .79 | 1.90 | 2.69 |
| Balsam Logs | — | 1,407 | 14,459 | 28.92 | 95.12 | 124.04 |
| Birch Logs | — | 172 | 2,172 | 5.43 | 5.43 | 10.86 |
| Poplar Logs | — | 11,349 | 229,377 | 458.75 | 687.33 | 1,146.08 |
| Spruce Logs | — | 37,491 | 680,549 | 1,361.10 | 3,831.59 | 5,192.69 |
| Spruce Booms | — | 3,705 | 464,779 | 1,161.94 | 2,788.67 | 3,950.61 |
| Piling (cu. ft.) | — | — | 2,707.47 | 81.22 | — | 81.22 |
| Ties (cu. ft.) | — | 24,429 | 377,080.35 | 11,312.40 | — | 11,312.40 |
| Poles (cu. ft.) | — | — | 287,130.18 | 11,693.82 | — | 11,693.82 |
| Lagging | 565.08 | — | — | 584.74 | — | 584.74 |
| Fuelwood (Hard) | 457.88 | — | — | 228.94 | 1.57 | 230.51 |

Continued on Next Page

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|------------|--------|------|--------------|-------------|--------------|
| Balsam Pulpwood .. | 11,547.33 | — | — | 8,083.14 | 5,017.52 | 13,100.66 |
| J. Pine Pulpwood .. | 131,552.31 | — | — | 52,620.92 | 13,408.78 | 66,029.70 |
| Poplar Pulpwood.... | 29,018.36 | — | — | 11,607.34 | 2,901.84 | 14,509.18 |
| Spruce Pulpwood.... | 164,344.02 | — | — | 230,080.20 | 43,224.21 | 273,304.41 |
| Pulpwood Exported Included in previous cordages | | | | | | |
| J. Pine..... | 10,641.68 | — | — | — | 5,320.84 | 5,320.84 |
| | — | — | — | \$330,652.80 | \$83,146.36 | \$413,799.16 |

CUT UNDER PERMIT

Mixed Logs 15,000 ft. B.M. Fuelwood 3,746.00 Cords

TABLE NO. 5E
GOGAMA
CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|--------------------|-------|---------|-----------|-------------|-------------|--------------|
| Pine Logs..... | — | 38,146 | 2,665,051 | \$ 6,662.61 | \$16,746.24 | \$ 23,408.85 |
| Pine Booms..... | — | 15 | 1,579 | 3.95 | 11.05 | 15.00 |
| J. Pine Logs..... | — | 319,286 | 6,555,382 | 12,162.60 | 30,712.66 | 42,875.26 |
| J. Pine Booms..... | — | 6,161 | 535,028 | 1,337.55 | 2,900.36 | 4,237.91 |
| Spruce Logs..... | — | 130,553 | 2,591,488 | 5,182.97 | 13,518.97 | 18,701.94 |
| Spruce Booms..... | — | 794 | 74,184 | 185.45 | 447.45 | 632.90 |
| Ties (Pieces).... | — | 46,553 | — | 4,655.30 | — | 4,655.30 |

Felling trees by use of a power saw, near Chapleau.



| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---------------------|-----------|--------|------------|-------------|-------------|--------------|
| Car Stakes (Pieces) | — | 843 | — | 34.15 | — | 34.15 |
| Poles (Pieces) | — | 2,516 | — | 822.25 | 629.00 | 1,451.25 |
| Poles (cu. ft.) | — | 19,576 | 285,716.20 | 11,758.80 | — | 11,758.80 |
| Fuelwood (Hard) | 25.00 | — | — | 12.50 | 2.50 | 15.00 |
| Fuelwood (Soft) | 25.00 | — | — | 6.25 | 1.25 | 7.50 |
| Balsam Pulpwood | 265.48 | — | — | 185.83 | 116.62 | 302.45 |
| J. Pine Pulpwood | 23,400.68 | — | — | 9,360.27 | 2,336.90 | 11,697.17 |
| Spruce Pulpwood | 33,858.15 | — | — | 47,401.40 | 15,663.78 | 63,065.18 |
| | — | — | — | \$99,771.88 | \$83,086.78 | \$182,858.66 |

CUT UNDER PERMIT

Spruce 17,383 ft. B.M. Lagging 450 Pcs.
 Fuelwood 1,532.00 Cords

TABLE No. 5F
KAPUSKASING

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|------------|---------|--------------|--------------|--------------|--------------|
| J. Pine Logs | — | 180,736 | 3,121,753 | \$ 4,682.61 | \$ 14,810.67 | \$ 19,493.28 |
| Balsam Logs | — | 17,005 | 189,586 | 379.18 | 560.77 | 939.95 |
| Poplar Logs | — | 6,711 | 161,938 | 323.88 | 209.46 | 533.34 |
| Spruce Logs | — | 470,198 | 7,921,212 | 15,842.43 | 38,195.52 | 54,037.95 |
| Spruce Booms | — | 1,357 | 159,289 | 398.22 | 842.33 | 1,240.55 |
| Tamarac Logs | — | 46 | 356 | .53 | 1.60 | 2.13 |
| Spruce Logs (cu. ft.) | — | 415,299 | 1,968,763.89 | 51,534.31 | — | 51,534.31 |
| Poles (Pieces) | — | 277 | — | 92.50 | 92.50 | 185.00 |
| Posts (Pieces) | — | 5,077 | — | 101.54 | 304.62 | 406.16 |
| Fuelwood (Hard) | 159.18 | — | — | 79.59 | 13.42 | 93.01 |
| Fuelwood (Soft) | 167.52 | — | — | 41.88 | 25.13 | 67.01 |
| Balsam Pulpwood | 19,744.81 | — | — | 13,821.36 | 11,543.15 | 25,364.51 |
| J. Pine Pulpwood | 1.17 | — | — | .47 | .12 | .59 |
| Poplar Pulpwood | 588.88 | — | — | 235.55 | 323.88 | 559.43 |
| Spruce Pulpwood | 263,084.45 | — | — | 368,318.24 | 98,212.17 | 466,530.41 |
| Pulpwood Exported Included in previous cordages | — | — | — | — | — | — |
| Balsam | 4,697.71 | — | — | — | 4,697.71 | 4,697.71 |
| Spruce | 117,304.33 | — | — | — | 117,304.33 | 117,304.33 |
| | — | — | — | \$455,852.29 | \$287,137.38 | \$742,989.67 |

CUT UNDER PERMIT

Spruce 57,475 ft. B.M. Poles 92 Pieces
 Poplar 52,623 ft. B.M. Fuelwood 4,691.38 Cords
 Spruce 468 lin. ft. Pulpwood 27,653.71 Cords
 Posts 4,279 Pieces

TABLE No. 5G
KENORA

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---------------|-------|--------|---------|----------|----------|----------|
| Pine Logs | — | 58 | 6,968 | \$ 17.42 | \$ 24.39 | \$ 41.81 |
| J. Pine Logs | — | 44,691 | 906,372 | 1,470.85 | 4,444.57 | 5,915.42 |
| J. Pine Booms | — | 6 | 212 | .53 | 1.29 | 1.82 |
| Balsam Logs | — | 64 | 429 | .86 | 2.57 | 3.43 |
| Poplar Logs | — | 2,367 | 73,763 | 147.53 | 331.93 | 479.46 |
| Spruce Logs | — | 3,538 | 109,251 | 218.51 | 604.31 | 822.82 |
| Spruce Booms | — | 674 | 171,336 | 428.34 | 882.30 | 1,310.64 |
| Ties (Pieces) | — | 8,395 | — | 839.50 | 381.35 | 1,220.85 |

Continued on Next Page

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|-----------|--------|------------|-------------|-------------|--------------|
| Poles (Pieces)..... | — | 16 | — | 12.00 | — | 12.00 |
| Poles (cu. ft.)..... | — | 22,170 | 254,952.56 | 10,225.60 | — | 10,225.60 |
| J. Pine Logs (cu. ft.).. | — | 43,395 | 183,489.73 | 5,216.12 | — | 5,216.12 |
| Poplar Logs (cu. ft.) | — | 382 | 1,840.83 | 32.45 | — | 32.45 |
| Spruce Logs (cu. ft.) | — | 7,013 | 37,682.31 | 1,126.55 | — | 1,126.55 |
| Fuelwood (Hard).... | 2.00 | — | — | 1.00 | .10 | 1.10 |
| Fuelwood (Soft).... | 307.35 | — | — | 76.83 | 30.00 | 106.83 |
| Balsam Pulpwood..... | 2,020.98 | — | — | 1,414.69 | 98.11 | 1,512.80 |
| J. Pine Pulpwood..... | 30,204.56 | — | — | 12,081.83 | 4,899.28 | 16,981.11 |
| Poplar Pulpwood..... | 29.98 | — | — | 11.99 | — | 11.99 |
| Spruce Pulpwood..... | 32,892.54 | — | — | 46,049.54 | 7,804.99 | 53,854.53 |
| Pulpwood Exported Included in previous cordages | | | | | | |
| J. Pine..... | 621.83 | — | — | — | 310.93 | 310.93 |
| Poplar..... | 5,492.50 | — | — | — | 549.25 | 549.25 |
| Spruce..... | 1,080.13 | — | — | — | 1,080.13 | 1,080.13 |
| | — | — | — | \$79,372.14 | \$21,445.50 | \$100,817.64 |

CUT UNDER PERMIT

| | | | |
|---------------|------------------|----------------|------------------|
| Pine | 7,000 ft. B.M. | Cedar | 65,000 ft. B.M. |
| J. Pine | 543,000 ft. B.M. | Mixed | 204,000 ft. B.M. |
| Balsam | 2,000 ft. B.M. | Posts | 7,764 Pieces |
| Spruce | 506,000 ft. B.M. | Ties | 100 Pieces |
| Poplar | 4,000 ft. B.M. | Fuelwood | 4,940.00 Cords |

TABLE NO. 5H

NORTH BAY

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|------------------------|----------|---------|------------|--------------|--------------|--------------|
| Pine Logs..... | — | 869,061 | 60,851,341 | \$152,128.31 | \$382,510.52 | \$534,638.83 |
| Pine Booms..... | — | 8,666 | 1,114,117 | 2,785.28 | 5,113.61 | 7,898.89 |
| J. Pine Logs..... | — | 22,487 | 429,045 | 734.91 | 2,008.63 | 2,743.54 |
| Ash Logs..... | — | 21 | 1,358 | 3.39 | — | 3.39 |
| Balsam Logs..... | — | 1,080 | 12,047 | 24.09 | 23.88 | 47.97 |
| Basswood Logs..... | — | 13,094 | 1,178,333 | 2,945.83 | 3,133.71 | 6,079.54 |
| Birch Logs..... | — | 49,504 | 4,019,497 | 10,048.71 | 6,301.35 | 16,350.06 |
| Cedar Logs..... | — | 443 | 10,896 | 16.34 | 18.06 | 34.40 |
| Hemlock Logs..... | — | 52,317 | 2,009,053 | 3,013.56 | 402.07 | 3,415.63 |
| Maple Logs..... | — | — | 185,800 | 464.50 | — | 464.50 |
| Oak Logs..... | — | 7 | 553 | 1.38 | — | 1.38 |
| Poplar Logs..... | — | 1,284 | 89,133 | 178.26 | 8.04 | 186.30 |
| Spruce Logs..... | — | 78,357 | 2,542,885 | 5,143.79 | 5,812.61 | 10,956.40 |
| Spruce Booms..... | — | 2,478 | 228,609 | 571.45 | 615.23 | 1,186.68 |
| Tamarac Logs..... | — | 362 | 8,985 | 13.48 | — | 13.48 |
| Birch Logs (cu. ft.).. | — | — | 214,277.35 | 2,142.77 | — | 2,142.77 |
| Poles (cu. ft.)..... | — | 2,790 | 37,272.04 | 1,520.46 | — | 1,520.46 |
| Poles (lin. ft.)..... | — | 36 | 2,112 | 21.12 | — | 21.12 |
| Poles (Pieces)..... | — | 1,517 | — | 429.70 | 266.50 | 696.20 |
| Posts (Pieces)..... | — | 1,563 | — | 31.26 | 69.45 | 100.71 |
| Fuelwood (Hard).... | 7,211.25 | — | — | 3,614.11 | — | 3,614.11 |
| Fuelwood (Soft).... | 823.52 | — | — | 205.88 | — | 205.88 |
| Balsam Pulpwood..... | 1,138.00 | — | — | 796.60 | — | 796.60 |
| J. Pine Pulpwood..... | 2,200.61 | — | — | 880.24 | 1,320.37 | 2,200.61 |
| Poplar Pulpwood..... | 834.66 | — | — | 333.86 | 697.50 | 1,031.36 |
| Spruce Pulpwood..... | 1,683.78 | — | — | 2,357.29 | 93.74 | 2,451.03 |
| | — | — | — | \$190,406.57 | \$408,395.27 | \$598,801.84 |

CUT UNDER PERMIT

| | | | |
|--------------|------------------|------------------|------------------|
| Pine..... | 607,000 ft. B.M. | Mixed Logs | 100,000 ft. B.M. |
| J. Pine..... | 156,000 ft. B.M. | Poles..... | 2,557 Pieces |
| Hemlock..... | 14,000 ft. B.M. | Posts..... | 3,815 Pieces |
| Spruce..... | 176,000 ft. B.M. | Fuelwood..... | 5,329.00 Cords |
| Birch..... | 152,000 ft. B.M. | Pulpwood..... | 4,100.00 Cords |

TABLE No. 5i
PARRY SOUND
CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | DUES | TOTAL |
|----------------------|----------|---------|------------|-------------|-------------|--------------|
| Pine Logs..... | — | 33,777 | 2,493,008 | \$ 6,232.42 | \$ 6,807.24 | \$ 13,039.66 |
| Pine Booms..... | — | 237 | 16,601 | 41.50 | 115.87 | 157.37 |
| Ash Logs..... | — | 423 | 23,469 | 58.66 | 8.10 | 66.76 |
| Basswood Logs | — | 15,308 | 683,364 | 1,708.37 | 722.82 | 2,431.19 |
| Beech Logs..... | — | 469 | 23,356 | 58.38 | — | 58.38 |
| Birch Logs..... | — | 165,290 | 14,422,367 | 36,055.83 | 31,193.44 | 67,249.27 |
| Cedar Logs..... | — | 713 | 7,945 | 11.91 | — | 11.91 |
| Elm Logs..... | — | 2,206 | 187,859 | 470.75 | 167.92 | 638.67 |
| Hemlock Logs..... | — | 174,627 | 7,933,916 | 11,900.85 | 3,181.69 | 15,082.54 |
| Hemlock Booms..... | — | 217 | 19,010 | 47.51 | 10.97 | 58.48 |
| Maple Logs..... | — | 30,754 | 2,137,390 | 5,343.46 | 3,316.26 | 8,659.72 |
| Oak Logs..... | — | 409 | 28,275 | 70.68 | 54.11 | 124.79 |
| Poplar Logs..... | — | 92 | 2,917 | 5.83 | — | 5.83 |
| Spruce Logs..... | — | 34,795 | 1,174,938 | 2,349.92 | 2,242.85 | 4,592.77 |
| Spruce Booms..... | — | 685 | 71,019 | 177.51 | 73.69 | 251.20 |
| Tamarac Logs..... | — | 104 | 1,185 | 1.78 | 1.47 | 3.25 |
| Poles (Pieces)..... | — | 29 | — | 9.00 | — | 9.00 |
| Posts (Pieces)..... | — | 264 | — | 5.28 | — | 5.28 |
| Fuelwood (Hard) | 1,835.71 | — | — | 917.85 | 280.23 | 1,198.08 |
| Balsam Pulpwood..... | 82.50 | — | — | 59.40 | — | 59.40 |
| Poplar Pulpwood..... | 151.29 | — | — | 104.68 | 69.60 | 174.28 |
| Spruce Pulpwood..... | 679.15 | — | — | 950.81 | 15.66 | 966.47 |
| | — | — | — | \$64,582.38 | \$48,261.92 | \$114,844.30 |

CUT UNDER PERMIT

| | | | |
|---------------|------------------|-----------------|------------------|
| Pine..... | 310,589 ft. B.M. | Spruce..... | 128,196 ft. B.M. |
| H. Wood..... | 245,863 ft. B.M. | Poplar..... | 17,685 ft. B.M. |
| Basswood..... | 17,482 ft. B.M. | Mixed Logs..... | 70,674 lin. ft. |
| Hemlock..... | 582,531 ft. B.M. | Posts..... | 815 Pieces |
| Birch..... | 383,525 ft. B.M. | Poles..... | 85 Pieces |
| Oak..... | 4,775 ft. B.M. | Fuelwood | 2,757.00 Cords |
| Maple..... | 239,917 ft. B.M. | Pulpwood | 4,162.00 Cords |
| Tamarac..... | 2,119 ft. B.M. | | |

TABLE No. 5j
PORT ARTHUR
CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|--------------------|-------|---------|-----------|-----------|-------------|-------------|
| Pine Logs..... | — | 4,359 | 214,336 | \$ 535.84 | \$ 1,303.05 | \$ 1,838.89 |
| Pine Booms..... | — | 218 | 62,428 | 156.06 | 468.20 | 624.26 |
| J. Pine Logs..... | — | 202,024 | 2,921,411 | 6,297.02 | 13,686.20 | 19,983.22 |
| J. Pine Booms..... | — | 283 | 13,925 | 34.81 | 89.90 | 124.71 |

Continued on Next Page

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|--|------------|--------|------------|--------------|--------------|--------------|
| Ash Logs | — | 63 | 962 | 2.40 | 2.40 | 4.80 |
| Balsam Logs | — | 7,129 | 63,191 | 126.39 | 291.58 | 417.97 |
| Birch Logs | — | 1,887 | 23,555 | 58.88 | 40.73 | 99.61 |
| Cedar Logs | — | 245 | 9,436 | 14.15 | 42.00 | 56.15 |
| Poplar Logs | — | 11,495 | 207,086 | 414.18 | 617.69 | 1,031.87 |
| Spruce Logs | — | 49,246 | 1,114,937 | 2,229.87 | 5,712.75 | 7,942.62 |
| Spruce Booms | — | 6,518 | 782,610 | 1,956.80 | 3,439.80 | 5,396.60 |
| Ties (Pieces) | — | 2,031 | — | 203.10 | 40.62 | 243.72 |
| Posts (Pieces) | — | 511 | — | 10.22 | 20.44 | 30.66 |
| Piling (lin. ft.) | — | 141 | 5,640 | 112.80 | — | 112.80 |
| Piling (cu. ft.) | — | 364 | 8,444.46 | 433.32 | — | 433.32 |
| Poles (cu. ft.) | — | 9,025 | 139,969.79 | 5,951.85 | — | 5,951.85 |
| Fuelwood (Hard) | 378.36 | — | — | 189.18 | 67.08 | 256.26 |
| Fuelwood (Soft) | 94.88 | — | — | 23.71 | 28.95 | 52.66 |
| Balsam Pulpwood | 32,717.45 | — | — | 22,888.12 | 16,033.32 | 38,921.44 |
| J. Pine Pulpwood | 14,704.19 | — | — | 5,881.37 | 1,556.91 | 7,438.28 |
| Poplar Pulpwood | 886.27 | — | — | 354.51 | 68.42 | 422.93 |
| Spruce Pulpwood | 215,528.91 | — | — | 299,946.72 | 99,980.83 | 399,927.55 |
| Pulpwood Exported Included in previous cordage | — | — | — | — | — | — |
| Spruce | 6,648.22 | — | — | — | 8,591.27 | 8,591.27 |
| Balsam | 4,419.59 | — | — | — | 6,555.54 | 6,555.54 |
| J. Pine | 1,809.68 | — | — | — | 904.84 | 904.84 |
| Poplar | 183.92 | — | — | — | 18.39 | 18.39 |
| | — | — | — | \$347,821.30 | \$159,560.91 | \$507,382.21 |

CUT UNDER PERMIT

| | | | |
|--------------------|------------------|-------------------|------------------|
| Pine | 256,741 ft. B.M. | Spruce Pulp | 121.53 Cords |
| J. Pine | 301,559 ft. B.M. | Poplar Pulp | 58.80 Cords |
| Spruce | 58,768 ft. B.M. | Fuelwood | 1,645.59 Cords |
| Balsam | 34,563 ft. B.M. | Piling | 2,081.78 cu. ft. |
| Poplar | 4,841 ft. B.M. | Posts | 904 Pieces |
| J. Pine Pulp | 434.91 Cords | Poles | 15 Pieces |

TABLE NO. 5K

TWEED

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---------------------|-------|---------|-----------|-------------|-------------|-------------|
| Pine Logs | — | 253,391 | 8,452,878 | \$21,132.15 | \$19,571.03 | \$40,703.18 |
| Pine Booms | — | 445 | 46,409 | 116.00 | 72.87 | 188.87 |
| Ash Logs | — | 2,111 | 88,599 | 221.47 | 219.42 | 440.89 |
| Balsam Logs | — | 13,871 | 155,448 | 310.92 | 336.35 | 647.27 |
| Basswood Logs | — | 26,165 | 1,030,284 | 2,575.65 | 4,106.10 | 6,681.75 |
| Beech Logs | — | 4,228 | 185,629 | 464.03 | 337.68 | 801.71 |
| Birch Logs | — | 25,206 | 1,804,136 | 4,510.24 | 6,084.64 | 10,594.88 |
| Cedar Logs | — | 4,911 | 80,366 | 120.52 | 210.96 | 331.48 |
| Cherry Logs | — | 241 | 13,321 | 33.29 | 31.13 | 64.42 |
| Elm Logs | — | 2,265 | 206,060 | 515.12 | 522.80 | 1,037.92 |
| Hemlock Logs | — | 96,607 | 4,176,142 | 6,264.07 | 4,109.16 | 10,373.23 |
| Hemlock Booms | — | 534 | 68,262 | 170.63 | .71 | 171.34 |
| Maple Logs | — | 39,348 | 2,624,355 | 6,560.81 | 7,638.42 | 14,199.23 |
| Oak Logs | — | 3,038 | 123,186 | 307.92 | 647.28 | 955.20 |
| Poplar Logs | — | 24,626 | 680,653 | 1,363.26 | 1,531.26 | 2,894.52 |
| Spruce Logs | — | 72,835 | 1,878,257 | 3,756.61 | 3,731.09 | 7,487.70 |

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---------------------|--------|--------|--------|-------------|-------------|-------------|
| Spruce Booms | — | 573 | 62,809 | 156.98 | 57.53 | 214.51 |
| Tamarac Logs | — | 332 | 6,111 | 917 | 17.18 | 26.35 |
| Poles (Pieces) | — | 124 | — | 36.50 | 33.50 | 70.00 |
| Posts (Pieces) | — | 818 | — | 16.36 | 12.06 | 28.42 |
| Xmas Trees (Pieces) | — | 168 | — | 25.20 | — | 25.20 |
| Fuelwood (Hard) | 447.30 | — | — | 223.65 | 4.50 | 228.15 |
| Fuelwood (Soft) | 142.00 | — | — | 35.50 | — | 35.50 |
| Balsam Pulpwood | 177.02 | — | — | 123.92 | .91 | 124.83 |
| Poplar Pulpwood | 11.58 | — | — | 4.63 | 8.11 | 12.74 |
| Spruce Pulpwood | 180.95 | — | — | 253.33 | — | 253.33 |
| | — | — | — | \$49,307.93 | \$49,284.69 | \$98,592.62 |

CUT UNDER PERMIT

| | | | |
|----------|------------------|----------|-----------------|
| Pine | 575,065 ft. B.M. | Balsam | 48,352 ft. B.M. |
| Oak | 24,713 ft. B.M. | Elm | 21,946 ft. B.M. |
| Maple | 162,643 ft. B.M. | Ash | 8,970 ft. B.M. |
| Birch | 36,363 ft. B.M. | Cedar | 9,015 ft. B.M. |
| Basswood | 92,607 ft. B.M. | Poles | 100 Pieces |
| Hemlock | 147,856 ft. B.M. | Posts | 1,880 Pieces |
| Poplar | 45,524 ft. B.M. | Fuelwood | 353.99 Cords |
| Spruce | 174,813 ft. B.M. | Pulpwood | 471.60 Cords |

Piling lumber for use in manufacturing, Sudbury.



TABLE No. 5L
SAULT STE. MARIE
CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---------------------|-----------|---------|-----------|--------------|-------------|--------------|
| Pine Logs | — | 27,302 | 1,971,010 | \$ 4,927.51 | \$11,298.43 | \$ 16,225.94 |
| Pine Booms | — | 83 | 6,785 | 16.96 | 64.46 | 81.42 |
| J. Pine Logs | — | 115,805 | 2,785,042 | 4,178.61 | 13,814.60 | 17,993.21 |
| J. Pine Booms | — | 741 | 38,975 | 97.43 | 178.55 | 275.98 |
| Ash Logs | — | 165 | 11,468 | 28.60 | 39.32 | 67.92 |
| Balsam Logs | — | 353 | 4,851 | 9.70 | 15.59 | 25.29 |
| Birch Logs | — | 42,150 | 3,354,872 | 8,387.13 | 15,352.04 | 23,739.17 |
| Cedar Logs | — | 1,285 | 25,369 | 38.05 | 9.78 | 47.83 |
| Elm Logs | — | 339 | 31,938 | 79.82 | 177.58 | 257.40 |
| Hemlock Logs | — | 12,278 | 851,191 | 1,276.76 | 3,172.98 | 4,449.74 |
| Maple Logs | — | 22,974 | 1,189,293 | 2,973.18 | 4,489.97 | 7,463.15 |
| Oak Logs | — | 1,491 | 134,321 | 335.84 | 667.39 | 1,003.23 |
| Poplar Logs | — | 143 | 4,929 | 9.86 | 15.66 | 25.52 |
| Spruce Logs | — | 19,172 | 594,664 | 1,199.64 | 2,550.05 | 3,749.69 |
| Spruce Booms | — | 1,036 | 98,983 | 247.46 | 373.61 | 621.07 |
| Car Stakes (Pieces) | — | 3,025 | — | 181.50 | — | 181.50 |
| Poles (Pieces) | — | 168 | — | 45.00 | 42.00 | 87.00 |
| Posts (Pieces) | — | 6,255 | — | 135.50 | 135.01 | 270.51 |
| Posts (lin. ft.) | — | 120 | 960 | 8.48 | — | 8.48 |
| Poles (lin. ft.) | — | 1,688 | 41,924 | 628.86 | — | 628.86 |
| Poles (cu. ft.) | — | 404 | 6,396.10 | 281.69 | — | 281.69 |
| Balsam Pulpwood | 11,125.33 | — | — | 7,787.73 | 4,069.95 | 11,857.68 |
| J. Pine Pulpwood | 9,042.12 | — | — | 3,616.85 | 3,584.59 | 7,201.44 |
| Poplar Pulpwood | 4,563.09 | — | — | 1,825.23 | 1,364.13 | 3,189.36 |
| Spruce Pulpwood | 85,713.92 | — | — | 119,999.48 | 24,262.41 | 144,261.89 |
| | — | — | — | \$158,316.87 | \$85,678.10 | \$243,994.97 |

CUT UNDER PERMIT

| | | | |
|---------|------------------|----------|------------------|
| Pine | 86,714 ft. B.M. | Hemlock | 130,552 ft. B.M. |
| J. Pine | 68,485 ft. B.M. | Balsam | 729 ft. B.M. |
| Birch | 586,766 ft. B.M. | Poplar | 29,287 ft. B.M. |
| Oak | 23,814 ft. B.M. | J. Pine | 8,248 lin. ft. |
| Maple | 260,385 ft. B.M. | Spruce | 70,308 lin. ft. |
| Elm | 6,370 ft. B.M. | Posts | 24 Pieces |
| Spruce | 92,727 ft. B.M. | Fuelwood | 1,500.00 Cords |

TABLE No. 5M
SIOUX LOOKOUT
CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|-----------------|-------|---------|-----------|-----------|-------------|-------------|
| Pine Logs | — | 7,885 | 296,119 | \$ 740.29 | \$ 2,224.14 | \$ 2,964.43 |
| Pine Booms | — | 50 | 9,506 | 23.76 | 64.87 | 88.63 |
| J. Pine Logs | — | 365,859 | 5,620,490 | 11,141.09 | 24,678.97 | 35,820.06 |
| J. Pine Booms | — | 274 | 28,552 | 71.37 | 101.50 | 172.87 |
| Balsam Logs | — | 123 | 2,192 | 4.38 | 8.77 | 13.15 |
| Poplar Logs | — | 202 | 12,062 | 24.12 | 54.28 | 78.40 |
| Spruce Logs | — | 81,557 | 2,071,005 | 4,142.03 | 11,015.41 | 15,157.44 |
| Spruce Booms | — | 1,560 | 340,897 | 852.22 | 1,573.38 | 2,425.60 |
| Ties (Pieces) | — | 25,628 | — | 2,562.80 | 1,025.12 | 3,587.92 |
| Poles (Pieces) | — | 25 | — | 6.25 | 6.25 | 12.50 |
| Poles (cu. ft.) | — | 5,328 | 66,862.53 | 2,573.93 | — | 2,573.93 |

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|------------|--------|--------|--------------|-------------|--------------|
| Lagging (lin. ft.) | — | 2,016 | 32,256 | — | — | 161.28 |
| Balsam Pulpwood | 8,558.85 | — | 161.28 | 5,991.20 | 124.13 | 6,115.33 |
| J. Pine Pulpwood | 17,268.89 | — | — | 6,908.14 | 3,883.52 | 10,791.66 |
| Poplar Pulpwood | 11.00 | — | — | 4.40 | 1.10 | 5.50 |
| Spruce Pulpwood | 116,731.31 | — | — | 154,998.86 | 12,366.27 | 167,365.13 |
| Pulpwood Exported Included in previous cordages | | | | | | |
| Balsam | 1,888.18 | — | — | — | 1,888.18 | 1,888.18 |
| J. Pine | .96 | — | — | — | .48 | .48 |
| Spruce | 23,271.55 | — | — | — | 23,271.55 | 23,271.55 |
| | — | — | — | \$190,206.12 | \$82,287.92 | \$272,494.04 |

CUT UNDER PERMIT

| | | | |
|---------|------------------|----------|-----------------|
| J. Pine | 163,022 ft. B.M. | Poles | 237 Pieces |
| Poplar | 750 ft. B.M. | Posts | 390 Pieces |
| Spruce | 410,770 ft. B.M. | Fuelwood | 14,828.50 Cords |
| Birch | 8,903 ft. B.M. | Pulpwood | 3,380.28 Cords |
| Spruce | 462,906 lin. ft. | | |

TABLE NO. 5N

SUDBURY

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---------------------|-----------|---------|-----------|-------------|-------------|-------------|
| Pine Logs | — | 276 | 6,273,529 | \$17,198.87 | \$33,494.55 | \$50,693.42 |
| Pine Booms | — | 146,479 | 36,522 | 91.30 | 126.83 | 218.13 |
| J. Pine Logs | — | 137,503 | 1,786,795 | 5,653.16 | 3,897.63 | 9,550.79 |
| J. Pine Booms | — | 379 | 25,454 | 63.63 | 94.34 | 157.97 |
| Ash Logs | — | 422 | 12,069 | 30.17 | 83.28 | 113.45 |
| Basswood Logs | — | 638 | 19,820 | 49.55 | 242.71 | 292.26 |
| Birch Logs | — | 8,342 | 269,235 | 673.08 | 832.41 | 1,505.49 |
| Cedar Logs | — | 2,500 | 20,078 | 30.11 | 113.94 | 144.05 |
| Elm Logs | — | 37 | 2,511 | 6.28 | 8.79 | 15.07 |
| Hemlock Logs | — | 3,213 | 142,658 | 213.98 | 715.16 | 929.14 |
| Hemlock Booms | — | 95 | 7,861 | 19.65 | 192.59 | 212.24 |
| Maple Logs | — | 1,511 | 47,236 | 118.08 | 127.60 | 245.68 |
| Oak Logs | — | 4 | 54 | .13 | — | .13 |
| Poplar Logs | — | 2,163 | 24,000 | 48.02 | 67.91 | 115.93 |
| Spruce Logs | — | 31,366 | 562,259 | 1,124.52 | 2,365.63 | 3,490.15 |
| Spruce Booms | — | 322 | 17,861 | 44.65 | 127.19 | 171.84 |
| Piling (cu. ft.) | — | 520 | 5,487.00 | 199.19 | — | 199.19 |
| Poles (cu. ft.) | — | 418 | 5,307.13 | 208.85 | — | 208.85 |
| Poles (Pieces) | — | 1,758 | — | 574.00 | — | 574.00 |
| Posts (Pieces) | — | 7,485 | — | 149.70 | 9.78 | 159.48 |
| Car Stakes (Pieces) | — | 3,956 | — | 171.60 | — | 171.60 |
| Lagging (Pieces) | — | 3,460 | — | 167.46 | — | 167.46 |
| Fuelwood (Hard) | 379.37 | — | — | 189.68 | — | 189.68 |
| Fuelwood (Soft) | 529.83 | — | — | 132.46 | — | 132.46 |
| Balsam Pulpwood | 386.41 | — | — | 270.48 | 270.67 | 541.15 |
| J. Pine Pulpwood | 27,787.59 | — | — | 11,115.04 | 2,029.96 | 13,145.00 |
| Poplar Pulpwood | 2,356.14 | — | — | 942.46 | 813.03 | 1,755.49 |
| Spruce Pulpwood | 8,009.50 | — | — | 11,213.29 | 362.98 | 11,576.27 |
| | — | — | — | \$50,699.39 | \$45,976.98 | \$96,676.37 |

CUT UNDER PERMIT

| | | | |
|---------------|------------------|---------------|----------------|
| Pine..... | 584,207 ft. B.M. | Cedar..... | 5,764 ft. B.M. |
| J. Pine..... | 146,564 ft. B.M. | Fuelwood..... | 5,175.92 Cords |
| Spruce..... | 103,160 ft. B.M. | Pulpwood..... | 2,700.35 Cords |
| Hemlock..... | 79,612 ft. B.M. | Lagging..... | 6,637 Pieces |
| Hardwood..... | 12,310 ft. B.M. | Posts..... | 5,161 Pieces |
| Poplar..... | 27,624 ft. B.M. | Poles..... | 448 Pieces |

TABLE NO. 50

SWASTIKA

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|---|-----------|---------|------------|-------------|--------------|--------------|
| Pine Logs..... | — | 44,026 | 3,284,011 | \$ 8,210.00 | \$ 19,259.11 | \$ 27,469.11 |
| Pine Booms..... | — | 22 | 741 | 1.85 | 9.26 | 11.11 |
| J. Pine Logs..... | — | 978,055 | 10,699,351 | 19,219.83 | 65,200.21 | 84,420.04 |
| J. Pine Booms..... | — | 1,178 | 56,313 | 140.78 | 376.95 | 517.73 |
| Balsam Logs..... | — | 83 | 845 | 1.69 | 6.02 | 7.71 |
| Birch Logs..... | — | 6 | 47 | .12 | — | .12 |
| Cedar Logs..... | — | 109 | 1,015 | 1.52 | .20 | 1.72 |
| Poplar Logs..... | — | 10,531 | 183,702 | 367.41 | 522.95 | 890.36 |
| Spruce Logs..... | — | 188,499 | 2,195,446 | 4,391.07 | 15,970.66 | 20,361.73 |
| Spruce Booms..... | — | 645 | 60,390 | 150.97 | 399.60 | 550.57 |
| Tamarac Logs..... | — | 51 | 864 | 1.30 | 5.62 | 6.92 |
| Ties (Pieces)..... | — | 2,922 | — | 292.20 | 146.10 | 438.30 |
| Poles (Pieces)..... | — | 214 | — | 56.50 | 53.50 | 110.00 |
| Posts (Pieces)..... | — | 933 | — | 18.66 | 46.65 | 65.31 |
| Fuelwood (Hard)..... | 806.92 | — | — | 403.45 | 105.08 | 508.53 |
| Fuelwood (Soft)..... | 2,486.92 | — | — | 621.71 | 501.57 | 1,123.28 |
| Lagging..... | 222.84 | — | — | 311.98 | 207.68 | 519.66 |
| Balsam Pulpwood..... | 11.00 | — | — | 7.70 | 5.50 | 13.20 |
| J. Pine Pulpwood..... | 3,056.00 | — | — | 1,222.39 | 917.88 | 2,140.27 |
| Poplar Pulpwood..... | 454.28 | — | — | 181.71 | 186.86 | 368.57 |
| Spruce Pulpwood..... | 23,843.83 | — | — | 33,381.35 | 10,798.73 | 44,180.08 |
| Pulpwood Exported Included in previous cordages | — | — | — | — | — | — |
| Spruce..... | 250.43 | — | — | — | 250.43 | 250.43 |
| | — | — | — | \$68,984.19 | \$114,970.56 | \$183,954.75 |

CUT UNDER PERMIT

| | | | |
|--------------|------------------|-------------------|----------------|
| Pine..... | 33,651 ft. B.M. | Poles..... | 152 Pieces |
| J. Pine..... | 633,625 ft. B.M. | Spruce Pulp..... | 4,189.62 Cords |
| Spruce..... | 535,934 ft. B.M. | J. Pine Pulp..... | 1,187.46 Cords |
| Poplar..... | 76,022 ft. B.M. | Poplar Pulp..... | 329.34 Cords |
| Ties..... | 8,067 Pieces | Fuelwood..... | 7,751.87 Cords |
| Posts..... | 4,405 Pieces | | |

TABLE NO. 5P

LINDSAY

CLASSIFICATION OF ANNUAL TIMBER RETURN YEAR ENDING MARCH 31ST, 1950

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|--------------------|-------|--------|---------|-------------|-------------|----------|
| Pine Logs..... | — | 17,623 | 965,510 | \$ 2,413.74 | \$ 5,977.50 | 8,391.24 |
| Pine Booms..... | — | 58 | 6,224 | 15.55 | 35.56 | 51.11 |
| Ash Logs..... | — | 8 | 324 | .81 | — | .81 |
| Balsam Logs..... | — | 2 | 29 | .06 | .23 | .29 |
| Basswood Logs..... | — | 8,681 | 290,564 | 726.37 | 1,258.35 | 1,984.72 |
| Beech Logs..... | — | 71 | 4,920 | 12.30 | 17.38 | 29.68 |

| SPECIES | CORDS | PIECES | FEET | DUES | BONUS | TOTAL |
|-----------------|-------|--------|-----------|-------------|-------------|-------------|
| Birch Logs | — | 5,611 | 576,630 | 1,441.57 | 5,058.29 | 6,499.86 |
| Cedar Logs | — | 1,554 | 19,269 | 28.95 | 23.02 | 51.97 |
| Elm Logs | — | 916 | 50,056 | 125.13 | 131.69 | 256.82 |
| Hemlock Logs | — | 78,593 | 3,071,861 | 4,607.76 | 2,634.74 | 7,242.50 |
| Hemlock Booms | — | 31 | 3,678 | 9.20 | 6.20 | 15.40 |
| Maple Logs | — | 13,709 | 949,864 | 2,374.64 | 3,301.15 | 5,675.79 |
| Oak Logs | — | 434 | 26,676 | 66.67 | 64.43 | 131.10 |
| Poplar Logs | — | 2,931 | 62,459 | 124.92 | 97.02 | 221.94 |
| Spruce Logs | — | 19,308 | 412,852 | 825.69 | 663.52 | 1,489.21 |
| Spruce Booms | — | 347 | 30,054 | 75.13 | 150.49 | 225.62 |
| Fuelwood (Hard) | 49.00 | — | — | 24.50 | — | 24.50 |
| Fuelwood (Soft) | 2.00 | — | — | .50 | — | .50 |
| Posts (Pieces) | — | 1,433 | — | 28.66 | — | 28.66 |
| | — | — | — | \$12,902.15 | \$19,419.57 | \$32,321.72 |

| CUT UNDER PERMIT | | | |
|------------------|------------------|----------|-----------------|
| Pine | 194,137 ft. B.M. | Oak | 19,215 ft. B.M. |
| Hemlock | 222,426 ft. B.M. | Ash | 4,849 ft. B.M. |
| Spruce | 172,819 ft. B.M. | Beech | 23,726 ft. B.M. |
| Balsam | 27,242 ft. B.M. | Tamarac | 1,859 ft. B.M. |
| Maple | 587,351 ft. B.M. | Poles | 19 Pieces |
| Birch | 92,592 ft. B.M. | Fuelwood | 381.00 Cords |
| Basswood | 30,738 ft. B.M. | Pulpwood | 157.50 Cords |
| Elm | 41,586 ft. B.M. | Bolts | 214.00 Cords |
| Poplar | 73,348 ft. B.M. | | |

Logs from a winter cutting piled at a sawmill, Moose R. Crossing, Ont.



TABLE No. 6
TIMBER SALES FROM APRIL 1, 1950, TO MARCH 31, 1951

| DATE OFFERED 1950 | DATE SOLD 1950 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | TOTAL | FILE |
|-------------------------|----------------------|----------------------------|-------------------------|------------------------|--|---|------------|-------------|-------------|--------------------------------|
| | | | | | | KIND OF TIMBER | BID | UPSET | DUES | |
| April 5 | May 1 | Rondeau Provincial Park | — | 3 | Mr. A. D. McKillop, West Lorne, Ontario | All down timber | — | — | — | 102122 |
| May 12 | June 7 | Leitch Twp. Block 1 | 9 | 2 | Mr. P. Johnson, Cochrane, Ontario | Spruce under 9" Balsam under 9" | .55 .55 | .50 1.20 | 1.40 .70 | 2.45 per cord 2.45 per cord |
| | | | | | | Spruce and Balsam 9" and over at the measured end | | | | |
| | | | | | | Up to 10 cu. ft. per piece | 1 1/2c | .03 | | 4 1/2c per cu. ft. |
| | | | | | | Over 10 to 20 cu. ft. per piece | 1 1/2c | .04 | | 5 1/2c per cu. ft. |
| | | | | | | Over 20 to 30 cu. ft. per piece | 1 1/2c | .05 | | 6 1/2c per cu. ft. |
| | | | | | | Over 30 to 40 cu. ft. per piece | | .06 | | .08 per cu. ft. |
| | | | | | | Over 40 to 50 cu. ft. per piece | .02 | .07 | | .09 per cu. ft. |
| | | | | | | Over 50 cu. ft. per piece | .02 | .08 | | .10 per cu. ft. |
| May 12 | June 7 | Leitch Twp. Block 2 | 5 1/2 | 2 | Mr. Norman J. Girard, Cochrane, Ont. | Spruce under 9" Balsam under 9" | .60 — | .50 1.80 | 1.70 .95 | 2.80 per cord 2.75 per cord |
| | | | | | | Spruce and Balsam 9" and over | | | | |
| | | | | | | Up to 10 cu. ft. per piece | | 4 1/2c | | 4 1/2c per cu. ft. |
| | | | | | | Over 10 to 20 cu. ft. per piece | | 5 1/2c | | 5 1/2c per cu. ft. |
| | | | | | | Over 20 to 30 cu. ft. per piece | | 6 1/2c | | 6 1/2c per cu. ft. |

| DATE OFFERED 1950 | DATE SOLD 1950 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | | TOTAL | FILE |
|-------------------------|----------------------|------------------------|-------------------------|------------------------|---|---|-------|-------|------|----------------------|-------|
| | | | | | | KIND OF TIMBER | BID | UPSET | DUES | | |
| May 12 | June 7 | Leitch Twp. Block 2 | 5 1/2 | 2 | Mr. Norman J. Girard, Cochrane, Ont. | Over 30 to 40 cu. ft. per piece | | .08 | | .08 per cu. ft. | 14434 |
| | | | | | | Over 40 to 50 cu. ft. per piece | | .09 | | .09 per cu. ft. | |
| | | | | | | Over 50 cu. ft. | | .10 | | .10 per cu. ft. | |
| June 5 | June 13 | Monmouth Twp. | 4 | 1 | Wilberforce Lbr. Co. Ltd. Wilberforce, Ontario | Maple, Birch, Basswood and Oak Logs | .50 | 5.50 | 2.50 | 8.50 per M ft. | |
| | | | | | | Hemlock and Tamarac Logs | .50 | 5.50 | 1.50 | 7.50 per M ft. | |
| | | | | | | Spruce and Balsam Logs | .50 | 5.00 | 2.00 | 7.50 per M ft. | |
| | | | | | | Poplar Logs | .50 | 4.00 | 2.00 | 6.50 per M ft. | |
| | | | | | | Birch Logs | .50 | 4.50 | 2.50 | 7.50 per M ft. | |
| | | | | | | Poplar Pulpwood | — | .50 | .40 | .90 per cord | |
| | | | | | | Balsam Pulpwood | — | .30 | .70 | 1.00 per cord | |
| | | | | | | Spruce Pulpwood | — | .10 | 1.40 | 1.50 per cord | |
| | | | | | | Cedar Posts | — | .03 | .02 | .05 each | |
| | | | | | | Cedar Ties | — | .02 | .10 | .12 each | |
| June 27 | July 17 | Grenfell Twp. | 6 1/4 | 3 | H. S. Rogers, Box 81, Englehart, Ont. | Jackpine Logs | 11.00 | 6.00 | 1.75 | 18.75 per M ft. B.M. | |
| | | | | | | Spruce Logs | 11.00 | 5.00 | 2.25 | 18.25 per M ft. B.M. | |
| | | | | | | Poplar Logs | 3.00 | .50 | 2.20 | 5.70 per M ft. B.M. | |
| | | | | | | Jackpine Pulpwood | — | — | .70 | .70 per cord | |
| | | | | | | Spruce Pulpwood | .20 | .40 | 1.70 | 2.30 per cord | |
| | | | | | | Poplar Pulpwood | .10 | .10 | .40 | .60 per cord | |
| | | | | | | White Birch Fuelwood | .10 | .10 | .50 | .70 per cord | |

| DATE OFFERED 1950 | DATE SOLD 1950 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | | TOTAL | FILE |
|-------------------------|----------------------|---------------|-------------------------|------------------------|---|---------------------------|---------|-------------|------|----------------------|-------|
| | | | | | | KIND OF TIMBER | BID | UPSET | DUES | | |
| Aug. 2 | Aug. 23 | Cardiff Twp. | 2 | 2 | William MacKenzie, R.R. No. 3, Bancroft, Ont. | White Pine Logs | 2.00 | 9.50 | 2.85 | 14.35 per M ft. B.M. | 18289 |
| | | | | | | Maple Logs | 2.00 | 5.50 | 2.85 | 10.35 per M ft. B.M. | |
| | | | | | | Birch Logs | 2.25 | 5.50 | 2.85 | 10.60 per M ft. B.M. | |
| | | | | | | Beech Logs | 1.00 | 4.50 | 2.70 | 8.20 per M ft. B.M. | |
| | | | | | | Basswood Logs | 2.00 | 5.50 | 2.70 | 10.20 per M ft. B.M. | |
| | | | | | | Hemlock Logs | 1.25 | 5.50 | 1.70 | 8.45 per M ft. B.M. | |
| | | | | | | Oak Logs | 2.00 | 5.50 | 2.70 | 10.20 per M ft. B.M. | |
| | | | | | | Elm Logs | .25 | 4.50 | 2.70 | 7.45 per M ft. B.M. | |
| | | | | | | Spruce and Balsam Logs | 1.00 | 5.00 | 2.25 | 8.25 per M ft. B.M. | |
| | | | | | | Poplar Logs | .50 | 4.00 | 2.20 | 6.70 per M ft. B.M. | |
| | | | | | | Ash Logs | 1.00 | 4.50 | 2.70 | 8.20 per M ft. B.M. | |
| | | | | | | Maple Fuelwood | .10 | .25 | .50 | .85 per cord | |
| | | | | | | Aug. 2 | Aug. 23 | Balmer Twp. | 7 | 1 | |
| Spruce Logs | 2.00 | 5.50 | 2.25 | 9.75 per M ft. B.M. | | | | | | | |
| Jackpine Lagging | — | 1/3c | — | 1/3c per lineal ft. | | | | | | | |
| Aug. 9 | Aug. 30 | Balmer Twp. | 8 | 1 | New Dickenson Mines Limited, 40 Adelaide St. W., Toronto, Ont. | Spruce Lagging | — | 1/3c | — | 1/3c per lineal ft. | 61306 |
| | | | | | | Jackpine Logs | .50 | 6.00 | 1.75 | 8.25 per M ft. B.M. | |
| | | | | | | Spruce Logs | 1.25 | 5.50 | 2.25 | 9.00 per M ft. B.M. | |
| Aug. 10 | Aug. 31 | Sheraton Twp. | 1 | 2 | E. Mainville, 192 Main Ave., Timmins, Ont. | Jackpine Lagging | 1/9c | 1/3c | — | 4/9c per lineal ft. | 10870 |
| | | | | | | Spruce Lagging | — | 1/3c | — | 1/3c per lineal ft. | |
| | | | | | | Spruce Logs | .75 | 8.00 | 2.25 | 11.00 per M ft. B.M. | |
| | | | | | | Jackpine Logs | .50 | 8.50 | 1.75 | 10.75 per M ft. B.M. | |
| | | | | | | Spruce Pulpwood | .25 | .85 | 1.70 | 2.80 per cord | |
| | | | | | | Balsam Pulpwood | .25 | .30 | .95 | 1.50 per cord | |
| | | | | | | Hard Fuelwood | .20 | .20 | .50 | .90 per cord | |
| | | | | | | Soft Fuelwood | .30 | .20 | .25 | .75 per cord | |

| DATE OFFERED 1950 | DATE SOLD 1950 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | | TOTAL | FILE |
|-------------------------|----------------------|--------------|-------------------------|------------------------|---|---|---|--------------------------------------|------------------------------|--|--------|
| | | | | | | KIND OF TIMBER | BID | UPSET | DUES | | |
| Aug. 16 | Aug. 31 | Whitney Twp. | 1 | 3 | Chaput's Wood Yard, 44 Windsor Avenue, Timmins, Ont. | Spruce Logs Spruce Pulpwood | 3.00 .75 | 8.00 .85 | 2.25 1.70 | 13.25 per M ft. B.M. 3.30 per cord | 12646 |
| Aug. 14 | Aug. 31 | Fisher Twp. | 1 | 4 | Mr. H. Schwartz, 136 Pilgrim St. Sault Ste. Marie, Ont. | Yellow Birch Other Hardwood Spruce and Balsam White Pine Cedar Poles Up to 10 cu. ft. Over 10 to 20 cu. ft. Over 20 to 30 cu. ft. Over 30 to 40 cu. ft. Over 40 to 50 cu. ft. Over 50 cu. ft. | 9.00 4.50 3.00 1.00 — .03 .04 .05 .06 .07 .08 | 6.50 3.50 5.00 8.50 | 2.85 2.70 2.25 2.85 | 18.35 per M ft. B.M. 10.70 per M ft. B.M. 10.25 per M ft. B.M. 12.35 per M ft. B.M. | 145703 |
| Sept. 27 | Oct. 17 | Aweres Twp. | 2 | 6 | Hugo O. Schwartz, 136 Pilgrim St., Sault Ste. Marie, Ont. | Birch and Oak Logs Other Hardwood Logs Pine Logs Hemlock Logs Spruce and Balsam Logs | 15.00 2.50 1.50 1.50 — — | 5.50 3.00 7.50 3.00 | 2.70 2.85 2.85 1.70 | 23.20 per M ft. B.M. 8.35 per M ft. B.M. 11.85 per M ft. B.M. 6.20 per M ft. B.M. | 20420 |
| Oct. 2 | Oct. 7 | Blount Twp. | 2 | 1 | A. E. Wicks Limited, Cochrane, Ont. | Spruce Pulpwood Balsam Pulpwood Spruce Logs Balsam Logs | — — — — | 5.00 .85 1.55 8.00 | 2.25 1.70 .95 | 7.25 per M ft. B.M. 2.55 per cord 2.50 per cord 10.25 per M ft. B.M. | 42060 |
| Oct. 4 | Oct. 25 | Twp. 167 | 2 | 2 | S. L. Sellers, Blind River, Ontario | Yellow Birch Logs Maple Logs Oak Logs Other Hardwood Logs Pine Logs Hemlock Logs Spruce Logs | 4.25 1.00 4.25 — — — — — | 5.50 3.00 5.50 3.00 5.00 | 2.85 2.85 2.70 | 12.60 per M ft. B.M. 6.85 per M ft. B.M. 12.45 per M ft. B.M. | 122894 |
| | | | | | | | 1.00 4.65 .50 1.00 | 3.00 7.50 3.00 5.00 | 2.70 2.85 1.70 2.25 | 6.70 per M ft. B.M. 15.00 per M ft. B.M. 5.20 per M ft. B.M. 8.25 per M ft. B.M. | |

| DATE OFFERED 1950 | DATE SOLD 1950 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | TOTAL | FILE |
|-------------------------|----------------------|--|-------------------------|------------------------|---|--|--|--|--|--------|
| | | | | | | KIND OF TIMBER | BID | UP-SET | | |
| Oct. 5 | Oct. 26 | McCowan Twp. | 1 | 3 | Charles Berube, Kapuskasing, Ontario | Spruce Pulpwood Poplar Pulpwood | 1.47 .04 | .20 .60 | 3.37 per cord 1.04 per cord | 109609 |
| Oct. 6 | Oct. 27 | Havilland Twp. | 1 | 4 | E. Osis, 218 Albert St. E., Sault Ste. Marie, Ont. | Hemlock Logs Birch and Oak Logs Other Hardwood Logs Maple, Yellow Birch Logs | 2.00 7.50 3.00 3.00 | 3.50 7.50 3.50 3.50 | 7.20 per M ft. B.M. 17.70 per M ft. B.M. 9.20 per M ft. B.M. 9.35 per M ft. B.M. | 146049 |
| Oct. 10 | Nov. 1 | Rowell Twp. | 8 | 1 | Jan Timber & Contracting Limited, Dryden, Ont. | Spruce Logs Jackpine Logs Spruce Pulpwood Balsam Pulpwood | 3.50 3.50 .35 .50 | 5.50 6.00 .60 .20 | 11.25 per M ft. B.M. 11.25 per M ft. B.M. 2.65 per cord 1.65 per cord | 92460 |
| Oct. 10 | Nov. 1 | Daniel Twp. and North thereof Kenora District | 7 | 1 | Canadian Forest Products Limited, 257 Grain Exchange Building, Winnipeg, Man. | Spruce Logs Jackpine Logs Spruce Pulpwood Balsam Pulpwood | 2.75 2.50 .17 .15 | 5.50 6.00 .60 .20 | 10.50 per M ft. B.M. 10.25 per M ft. B.M. 2.47 per cord 1.30 per cord | 92460 |
| Oct. 12 | Nov. 2 | McCowan Twp. | 1 | 3 | Mr. Narcisse Veilleux, Lowther, Ont. | Spruce (Standing) Spruce (Blowdown) | 1.35 .50 | .10 .10 | 3.15 per cord 2.30 per cord | 109609 |
| Oct. 13 | Nov. 3 | Galway Twp. | 1 1/2 | 5 | Read Bros. Lumber Co., Bobcaygeon, Ontario | White Pine Logs Maple Logs Basswood Logs Hemlock Logs Spruce and Balsam Logs Cedar Logs Cedar Posts | 13.00 7.00 10.00 8.00 11.00 7.00 .03 | 11.50 6.50 6.50 5.50 6.00 5.50 .05 | 27.35 per M ft. B.M. 16.35 per M ft. B.M. 19.20 per M ft. B.M. 15.20 per M ft. B.M. 19.25 per M ft. B.M. 14.20 per M ft. B.M. .10 each | 27152 |

| DATE OFFERED 1950 | DATE SOLD 1950 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | TOTAL | FILE | |
|-------------------------|----------------------|--------------------------|-------------------------|------------------------|---|--|---|---|---|--|-----------------|
| | | | | | | KIND OF TIMBER | BID | UPSET | | | DUES |
| Oct. 17 | Nov. 8 | McDonough Twp. | 11 1/2 | 1 | Red Lake Lumber Co., Box 9, Red Lake, Ont. | Spruce Logs Jackpine Logs | — — | 6.00 6.00 | 2.25 1.75 | 8.25 per M ft. B.M. 7.75 per M ft. B.M. | 61306 |
| Oct. 24 | Nov. 13 | Anstruther Twp. | 1 | 3 | Chesed McCall & Gordon, Perdue, Apsley, Ont. | Maple Logs Yellow Birch Logs Basswood Logs Hemlock Logs Beech Logs White Pine Logs Elm Logs | 8.50 12.00 12.00 7.50 7.00 12.50 7.00 | 5.50 5.50 5.50 5.50 4.50 9.50 4.50 | 2.85 2.85 2.70 1.70 2.70 2.85 2.70 | 16.85 per M ft. B.M. 20.35 per M ft. B.M. 20.20 per M ft. B.M. 14.70 per M ft. B.M. 14.20 per M ft. B.M. 24.85 per M ft. B.M. 14.20 per M ft. B.M. | 21816 |
| Oct. 24 | Nov. 13 | Anstruther Twp. | 1 | 3 | Chesed McCall & Gordon, Perdue, Apsley, Ont. | Hard Maple Logs Yellow Birch Logs Hemlock Logs Cedar Logs White Pine Logs Spruce Logs Beech Logs Basswood Logs Elm Logs Cedar Posts | 16.00 17.50 8.00 10.00 15.00 10.00 8.00 16.00 7.00 .05 | 5.50 5.50 5.50 5.50 9.50 5.00 4.50 5.50 5.50 .03 | 2.85 2.85 1.70 1.70 2.85 2.25 2.70 2.70 2.70 .02 | 24.35 per M ft. B.M. 25.85 per M ft. B.M. 15.20 per M ft. B.M. 17.20 per M ft. B.M. 27.35 per M ft. B.M. 17.25 per M ft. B.M. 15.00 per M ft. B.M. 24.20 per M ft. B.M. 15.20 per M ft. B.M. .10 each | 31816 |
| Oct. 26 | Nov. 16 | Rattray Twp. Parcel 1 | 1 1/4 | 1 | Kokotow Bros. Lumber, 5 McCamus Ave., Kirkland Lake, Ont. | Jackpine Logs Spruce Logs Poplar Logs | 5.75 5.25 1.75 | 7.00 6.00 2.50 | 1.75 2.25 2.20 | 14.50 per M ft. B.M. 13.50 per M ft. B.M. 6.45 per M ft. B.M. | 125695 52357 |
| Oct. 30 | Nov. 15 | Gross Twp. | 2 | 2 | Kokotow Bros. Lumber, 5 McCamus Ave., Kirkland Lake, Ont. | Jackpine Logs Spruce Logs Poplar Logs Spruce Pulpwood Poplar Pulpwood Jackpine Pulpwood | 5.20 5.20 .50 .15 .25 — | 6.50 5.00 2.50 .40 .10 .30 | 1.75 2.25 2.20 1.75 .40 .70 | 13.45 per M ft. B.M. 12.45 per M ft. B.M. 5.20 per M ft. B.M. 2.30 per cord .75 per cord 1.00 per cord | 26532 |

| DATE OFFERED 1950 | DATE SOLD 1950 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | TOTAL | FILE | |
|-------------------------|----------------------|---|-------------------------|------------------------|---|--|--|--|--|--|-----------------|
| | | | | | | KIND OF TIMBER | BID | UPSET | | | |
| Oct. 26 | Nov. 16 | Rattray Twp. Parcel 2 | 2¼ | 1 | Kokotow Bros. Lumber, 5 McCamus Ave., Kirkland Lake, Ont. | Jackpine Logs Spruce Logs Poplar Logs | 5.75 5.25 1.75 | 7.00 6.00 2.50 | 1.75 2.25 2.20 | 14.50 per M ft. B.M. 13.50 per M ft. B.M. 6.45 per M ft. B.M. | 125695 52357 |
| Oct. 30 | Nov. 15 | Murphy Twp. | 1½ | 1 | Rene Guiho, Timmins, Ont. | Spruce Logs Balsam Logs Spruce Pulpwood Balsam Pulpwood Poplar Pulpwood | — — — — — | 8.00 8.00 .35 1.05 .10 | 2.25 2.25 1.70 .95 .40 | 10.25 per M ft. B.M. 10.25 per M ft. B.M. 2.05 per cord 2.00 per cord .50 per cord | 30801 |
| Nov. 23 | Dec. 14 | Aberdeen Additional | 1 | 4 | Russell H. Cox, Bruce Mines, Ontario | Yellow Birch Logs Oak Logs Maple Logs White Pine Logs Hemlock Logs Spruce Logs | 11.00 3.00 6.00 3.00 2.00 3.00 | 6.15 6.30 3.15 9.15 3.30 4.75 | 2.85 2.70 2.85 2.85 1.70 2.25 | 20.00 per M ft. B.M. 12.00 per M ft. B.M. 12.00 per M ft. B.M. 15.00 per M ft. B.M. 7.00 per M ft. B.M. 10.00 per M ft. B.M. | 40720 |
| Nov. 27 | Dec. 15 | Ferrie Twp. | 2 | 1 | Edgar C. White, South River, Ontario | Hemlock Logs Yellow Birch Logs Basswood Logs Ash Logs Maple Logs Spruce Logs Pine Logs | 1.00 1.00 1.00 1.00 1.00 1.00 1.00 | 3.30 4.65 4.85 4.80 4.65 4.75 8.15 | 1.70 2.85 2.70 2.70 2.85 2.25 2.85 | 6.00 per M ft. B.M. 8.50 per M ft. B.M. 8.50 per M ft. B.M. 8.50 per M ft. B.M. 8.50 per M ft. B.M. 8.00 per M ft. B.M. 12.00 per M ft. B.M. | 5328 |
| Dec. 4 | Dec. 27 | One and a half miles N.E. of Olive Station, C.N.R. | 1 | 3 | K. Lytwynka, Fort Frances, Ontario | Red and White Pine Logs | 10.00 | 9.15 | 2.85 | 22.00 per M ft. B.M. | 18648 |
| 1950 Dec. 8 | 1951 Jan. 2 | Houghton Twp. | 1 | 1 | J. F. McColman, Box 273, Thessalon, Ont. | Spruce Pulpwood Balsam Pulpwood Peplar Pulpwood | .65 1.65 .35 | .30 .05 .35 | 1.70 .95 .40 | 2.65 per cord 2.65 per cord 1.10 per cord | 67392 |

| DATE OFFERED 1950 | DATE SOLD 1951 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | TOTAL | FILE |
|-------------------------|----------------------|--------------------------------|-------------------------|------------------------|---|---|------|------------|--------------------------------------|----------------|
| | | | | | | KIND OF TIMBER | BID | UPSET | | |
| Dec. 8 | Jan. 3 | Mulvey Twp. | 25 | 1 | Mr. E. Christianson, Mattice, Ont. | Pieces under 9" dia. Spruce and Balsam Poplar | .01 | .02 .01 | 2.1c per cu. ft. .01 per cu. ft. | 146451 |
| | | | | | | Pieces 9" and over Spruce and Balsam Poplar | .01 | .04 .02 | 4.1c per cu. ft. .02 per cu. ft. | |
| Dec. 8 | Jan. 3 | Mulvey Twp. | 19 | 1 | Mr. E. Christianson, Mattice, Ont. | Pieces under 9" Spruce and Balsam Poplar | .01 | .02 .01 | 2.1c per cu. ft. .01 per cu. ft. | 146451 |
| | | | | | | Pieces 9" and over Spruce and Balsam Poplar | .01 | .04 .02 | 4.1c per cu. ft. .02 per cu. ft. | |
| Dec. 11 | Jan. 3 | Goldwin Twp. | 17 | 2 | John Christianson, Mattice, Ont. | Pieces under 9" Spruce and Balsam Poplar | .25 | .02 .01 | 2.25c per cu. ft. .01 per cu. ft. | 146231 |
| | | | | | | Pieces 9" and over Spruce and Balsam Poplar | .25 | .04 .02 | 4.25c per cu. ft. .02 per cu. ft. | |
| Dec. 13 | Jan. 4 | Houghton and Brizland Twps. | 2 | 2 | Messrs. C. H. Hunt & Wm. H. Hill, Rydal Bank, Ontario | Birch and Oak Logs | 7.00 | 6.30 | 16.00 per M ft. B.M. | 67392 60523 |
| | | | | | | Maple Logs | 3.00 | 3.15 | 9.00 per M ft. B.M. | |
| 1951 Jan. 2 | Jan. 24 | Jocelyn & Hilson Twps. | 12 | 4 | MacFarlane Lumber Co., Per Alex Cain, Hilton Beach, Ontario | Hemlock Logs | 3.00 | 3.30 | 8.00 per M ft. B.M. | 52740 |
| | | | | | | Pine Logs | 8.00 | 9.15 | 20.00 per M ft. B.M. | |
| | | | | | | Basswood Logs | 6.00 | 6.30 | 15.00 per M ft. B.M. | |
| | | | | | | Beech Logs | 2.00 | 2.30 | 7.00 per M ft. B.M. | |
| | | | | | | Maple Logs | 5.00 | 4.15 | 12.00 per M ft. B.M. | |
| | | | | | | Hemlock Logs | 2.00 | 3.30 | 7.00 per M ft. B.M. | |
| | | | | | | Poplar Pulpwood | — | .40 | .80 per cord | |
| | | | | | | Cedar Posts | — | .03 .02 | .05 each | |
| | | | | | | Yellow Birch Logs | 6.00 | 6.15 | 15.00 per M ft. B.M. | |
| | | | | | | | | | | |

| DATE OFFERED 1951 | DATE SOLD 1951 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | | TOTAL | FILE |
|-------------------------|----------------------|--------------|-------------------------|------------------------|--|----------------------------|-------|-------|------|----------------------|--------|
| | | | | | | KIND OF TIMBER | | | BID | | |
| Jan. 3 | Jan. 24 | Haycock Twp. | 1 | 2 | R. L. Hertz & A. L. Herbacy, Box 456, Kenora, Ont. | Red and White Pine Logs | 4.25 | 6.15 | 2.85 | 13.25 per M ft. B.M. | 24421 |
| | | | | | | White Spruce Logs | 4.25 | 6.25 | 2.25 | 12.75 per M ft. B.M. | |
| | | | | | | Jackpine Logs | 4.25 | 6.25 | 1.75 | 12.25 per M ft. B.M. | |
| | | | | | | Jackpine Pulpwood | .20 | .40 | .70 | 1.30 per cord | |
| | | | | | | Balsam Pulpwood | .05 | .05 | .95 | 1.05 per cord | |
| | | | | | | Poplar Pulpwood | — | .10 | .40 | .50 per cord | |
| | | | | | | Spruce Pulpwood | .60 | .05 | 1.70 | 2.35 per cord | |
| Jan. 4 | Jan. 25 | Temple Twp. | 1 1/4 | 1 | Harold Moore, Eagle River, Ontario | Spruce Pulpwood | .35 | .05 | 1.70 | 2.10 per cord | 11226 |
| | | | | | | Poplar Pulpwood | .05 | — | .40 | .45 per cord | |
| | | | | | | Jackpine under 9" | .1 | 1.3c | | 1.4c per cu. ft. | |
| | | | | | | Jackpine over 9" | .1 | .03 | | 3.1c per cu. ft. | |
| Jan. 5 | Jan. 26 | Osborne Twp. | 1 1/4 | 4 | Pannill Veneer Co. Ltd., Louisia and St. Leger Sts., Kitchener, Ontario | Yellow Birch Logs | 8.15 | 10.00 | 2.85 | 21.00 per M ft. B.M. | 22343 |
| Jan. 8 | Jan. 29 | Gould Twp. | 1 1/2 | 5 | Lloyd Barber Jr., R.R. No. 3, Bruce Mines, Ontario | Birch Logs | 17.00 | 6.15 | 2.85 | 26.00 per M ft. B.M. | 10969 |
| | | | | | | Oak Logs | 6.00 | 6.30 | 2.70 | 15.00 per M ft. B.M. | |
| | | | | | | Maple Logs | 7.50 | 3.15 | 2.85 | 13.50 per M ft. B.M. | |
| | | | | | | Hemlock Logs | 2.00 | 3.30 | 1.70 | 7.00 per M ft. B.M. | |
| | | | | | | Pine Logs | 3.00 | 9.15 | 2.85 | 15.00 per M ft. B.M. | |
| Jan. 8 | Jan. 30 | Hartman Twp. | 1 | 3 | G. L. Pidgeon, Wabigoon, Ontario | Spruce Logs | 1.00 | 6.25 | 2.25 | 9.50 per M ft. B.M. | 28203 |
| | | | | | | Jackpine Logs | 1.00 | 6.25 | 1.75 | 9.00 per M ft. B.M. | |
| | | | | | | Spruce Pulpwood | .85 | .05 | 1.70 | 2.60 per cord | |
| | | | | | | Jackpine Pulpwood | .15 | .40 | .70 | 1.25 per cord | |
| Jan. 12 | Feb. 5 | Pedley Twp. | 3/4 | 2 | Wilfred Davidson, 160 Nipissing Street, Sturgeon Falls, Ontario | Spruce Pulpwood | .10 | .25 | 1.70 | 2.05 per cord | 107000 |
| | | | | | | Balsam Pulpwood | .10 | 1.00 | .95 | 2.05 per cord | |
| | | | | | | White Birch Pulpwood | .30 | .35 | .40 | 1.05 per cord | |
| | | | | | | Poplar Pulpwood | .30 | .35 | .40 | 1.05 per cord | |

| DATE OFFERED 1951 | DATE SOLD 1951 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | TOTAL | | FILE |
|-------------------------|----------------------|--|-------------------------|------------------------|---|--|---|--|--|--|-------|
| | | | | | | KIND OF TIMBER | BID | UPSET | DUES | | |
| Jan. 8 | Feb. 9 | Sherborne Twp. | 8 | 2 | W. O. Bailey & Sons, Haliburton, Ontario | Maple Logs Birch Logs White Pine Logs Ash Logs Spruce Logs Poplar Logs Hemlock Logs Oak Logs Beech Logs Elm Logs Cedar Logs Basswood Logs Tamarac Logs | 4.50 7.50 6.50 3.00 3.50 | 2.65 2.65 5.65 2.30 2.75 | 2.85 2.85 2.85 2.70 2.25 | 10.00 per M ft. B.M. 13.00 per M ft. B.M. 15.00 per M ft. B.M. 8.00 per M ft. B.M. 8.50 per M ft. B.M. 3.50 per M ft. B.M. 6.00 per M ft. B.M. 12.00 per M ft. B.M. 6.00 per M ft. B.M. 6.00 per M ft. B.M. 6.00 per M ft. B.M. 13.00 per M ft. B.M. 6.00 per M ft. B.M. | 36452 |
| Jan. 22 | Feb. 14 | Area West of Route Lake North C.N.R. | 4 | 2 | Lac Seul Lumber Co. Limited, Hudson, Ont. | Jackpine Logs Spruce Logs | 2.50 2.50 | 6.50 6.00 | 1.75 2.25 | 10.75 per M ft. B.M. 10.75 per M ft. B.M. | 24423 |
| Jan. 22 | Feb. 12 | Matawatchan Twp. | 1/4 | 4 | T. B. Casey, 412 Metropolitan Building, Toronto, Ont. | Basswood Logs Yellow Birch Logs Maple Logs Spruce Logs Elm Logs Hemlock Logs | 22.50 22.50 17.50 13.00 9.00 5.50 | 9.80 9.65 9.65 9.75 8.30 7.80 | 2.70 2.85 2.85 2.25 2.70 1.70 | 35.00 per M ft. B.M. 35.00 per M ft. B.M. 30.00 per M ft. B.M. 25.00 per M ft. B.M. 20.00 per M ft. B.M. 15.00 per M ft. B.M. | 95781 |
| Jan. 24 | Feb. 15 | Cardiff Twp. | 1/2 | 1 | E. M. Sanderson, Wilberforce, Ontario | White Pine Logs Spruce and Balsam Logs Maple Logs Elm Logs Birch Logs Tamarac Logs Basswood Logs Poplar Logs | 12.00 12.00 10.00 3.00 10.00 2.00 12.00 2.00 | 9.15 4.75 5.15 4.30 5.15 5.30 4.80 | 2.85 2.25 2.85 2.70 2.85 1.70 2.20 | 24.00 per M ft. B.M. 19.00 per M ft. B.M. 18.00 per M ft. B.M. 10.00 per M ft. B.M. 18.00 per M ft. B.M. 9.00 per M ft. B.M. 20.00 per M ft. B.M. 9.00 per M ft. B.M. | 18289 |

| DATE OFFERED 1951 | DATE SOLD 1951 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | | TOTAL | FILE |
|-------------------------|----------------------|-----------------|-------------------------|------------------------|---|---|---|--|--|--|--------|
| | | | | | | KIND OF TIMBER | BID | UPSET | DUES | | |
| Jan. 30 | Feb. 20 | Gladstone Twp. | 1/4 | 8 | Fred I. Carlson, Thessalon, Ont. | Yellow Birch Logs Maple Logs Other Hardwood Pine Logs Hemlock Logs Spruce Logs | 35.00 4.00 4.00 8.00 1.00 3.00 | 7.15 3.15 3.30 9.15 3.30 4.75 | 2.85 2.85 2.70 2.85 1.70 2.25 | 45.00 per M ft. B.M. 10.00 per M ft. B.M. 10.00 per M ft. B.M. 20.00 per M ft. B.M. 6.00 per M ft. B.M. 10.00 per M ft. B.M. | 27773 |
| Jan. 31 | Feb. 21 | Griffith Twp. | 1 1/4 | 3 | T. A. Wilson Lumber Company Limited, Cannington, Ontario | Red and White Pine Logs White Birch Logs Spruce and Balsam Logs Tamarac Logs Poplar Logs | 11.25 3.00 11.50 10.00 3.25 | 9.15 6.30 6.25 5.80 5.80 | 2.85 2.70 2.25 1.70 2.20 | 23.25 per M ft. B.M. 12.00 per M ft. B.M. 20.00 per M ft. B.M. 18.50 per M ft. B.M. 11.25 per M ft. B.M. | 109461 |
| Jan. 31 | Feb. 22 | Anstruther Twp. | 1/2 | 3 | Chesel McColl & Gordon E. Perdue, Apsley, Ont. | Maple Logs Elm Logs Cedar Logs Yellow Birch Logs Spruce Logs Hemlock Logs Basswood Logs Poplar Logs | 6.00 4.00 4.00 8.00 4.00 4.00 6.00 2.00 | 5.15 4.30 5.30 5.15 4.75 4.80 5.30 2.80 | 2.85 2.70 1.70 2.85 2.25 1.70 2.70 2.20 | 14.00 per M ft. B.M. 11.00 per M ft. B.M. 11.00 per M ft. B.M. 16.00 per M ft. B.M. 11.00 per M ft. B.M. 10.50 per M ft. B.M. 14.00 per M ft. B.M. 7.00 per M ft. B.M. | 31816 |
| Feb. 5 | Feb. 26 | Pense Twp. | 3/4 | 1 | James Stephen, Hilliardton, Ontario | Beech Fuelwood | .15 | .25 | .50 | .90 per cord | 12651 |
| Feb. 6 | Feb. 27 | Hindon Twp. | 1 | 2 | Windsor Lumber Co., Carnarvon, Ontario | White Pine Logs Hard Maple Logs Yellow Birch Logs Basswood Logs Beech Logs Oak Logs Poplar Logs Spruce Logs Hemlock Logs Balsam Logs | 13.00 6.00 7.00 9.00 5.00 6.00 3.00 8.00 1.50 8.00 | 9.15 5.15 5.15 5.30 5.30 5.30 2.80 4.75 4.80 4.75 | 2.85 2.85 2.85 2.70 2.70 2.70 2.20 2.25 1.70 2.25 | 25.00 per M ft. B.M. 14.00 per M ft. B.M. 15.00 per M ft. B.M. 17.00 per M ft. B.M. 13.00 per M ft. B.M. 14.00 per M ft. B.M. 8.00 per M ft. B.M. 15.00 per M ft. B.M. 8.00 per M ft. B.M. 15.00 per M ft. B.M. | 114596 |

| DATE OFFERED 1951 | DATE SOLD 1951 | LOCALITY | AREA SQUARE MILES | NO. OF TEN- DERS | TO WHOM SOLD | PRICES PAID | | | | TOTAL | FILE |
|-------------------------|----------------------|---------------|-------------------------|------------------------|--|-------------------|------|-------|------|----------------------|-------|
| | | | | | | KIND OF TIMBER | BID | UPSET | DUES | | |
| Feb. 12 | Mar. 6 | Denbigh Twp. | 3/4 | 5 | T. A. Wilson Lumber Company Limited, Cannington, Ontario | Red Pine Logs | 6.25 | 15.15 | 2.85 | 24.25 per M ft. B.M. | 16086 |
| | | | | | | White Pine Logs | 6.25 | 15.15 | 2.85 | 24.25 per M ft. B.M. | |
| | | | | | | Cedar Logs | 1.00 | 7.80 | 1.70 | 10.50 per M ft. B.M. | |
| | | | | | | Balsam Logs | 3.25 | 6.75 | 2.25 | 12.25 per M ft. B.M. | |
| | | | | | | Yellow Birch Logs | 9.00 | 7.65 | 2.85 | 19.50 per M ft. B.M. | |
| | | | | | | Spruce Logs | 9.25 | 8.25 | 2.25 | 19.75 per M ft. B.M. | |
| | | | | | | White Birch Logs | 1.00 | 6.30 | 2.70 | 10.00 per M ft. B.M. | |
| | | | | | | Hemlock Logs | 7.25 | 7.30 | 1.70 | 16.25 per M ft. B.M. | |
| | | | | | | Poplar Logs | 2.25 | 3.80 | 2.20 | 8.25 per M ft. B.M. | |
| Feb. 14 | Mar. 7 | Papineau Twp. | 2 | 1 | Select Wood Products Limited, Per H. Lebovic, Mattawa, Ont. | White Birch Logs | .02 | .45 | .40 | .87 per cord | 12343 |
| | | | | | | Poplar Logs | .01 | .45 | .40 | .86 per cord | |

